

**Recent History of Chinook Salmon Harvests in
Marine Waters of Southcentral Alaska:**

**Compilation of Harvest, Size, and Coded Wire Tag
Data by Fishery, 1980-1993**

and

Recommendations for Future Assessment

by

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and

L. Saree Timmons

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Alaska Department of Fish and Game

Division of Sport Fish



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EXECUTIVE SUMMARY

The objective of this report is to present harvests of chinook salmon, average size of harvested chinook salmon, and coded wire tag (CWT) recovery data for chinook salmon fisheries within marine waters of southcentral Alaska from 1980 to 1993; to initiate a comprehensive database of harvest and stock composition of chinook salmon fisheries in southcentral Alaska; and to offer programmatic recommendations for improving databases for management of chinook salmon.

In compiling data for this report, all known sources of marine fishery mortality were included: state managed sport fisheries; state managed commercial fisheries for Pacific salmon; and federally managed commercial fisheries for groundfish. A series of follow-up reports addressing the reasons for trends in the harvest, size, and CWT data is expected in the near future.

Overall, marine harvest of chinook salmon increased about 60%, from an average of 90,000 fish in 1980-1983 to about 140,000 fish from 1990-1993. The largest harvest since 1980 occurred in 1993, when about 175,000 chinook salmon were harvested (Figure A).

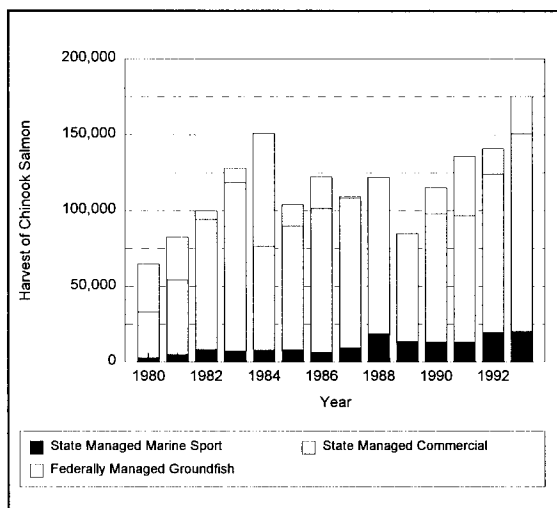


Figure A. Harvest of chinook salmon (numbers of fish) in marine waters of southcentral Alaska, 1980-1993.

Sport harvest of chinook salmon has steadily increased from about 2,500 fish in 1980 to almost 20,000 fish in 1992 (Figure B). Most of this growth has occurred in Cook Inlet and is associated with

adult chinook salmon destined for spawning or hatchery release sites within Cook Inlet.

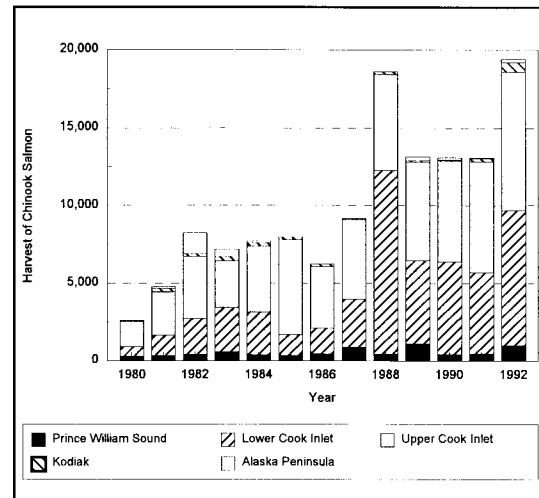


Figure B. Harvest of chinook salmon (numbers of fish) in state managed sport fisheries in marine waters of southcentral Alaska, 1980-1992.

Anglers fishing from boats in marine waters harvest immature chinook salmon in Lower Cook Inlet, Prince William Sound, Kodiak, and along the south side of the Alaska Peninsula. Harvests in Prince William Sound, Kodiak, and the Alaska Peninsula number in the hundreds. Harvests in the Lower Cook Inlet sport fishery (through the port of Homer) are of mixed stocks and include immature fish. Shore-based anglers target hatchery returns of chinook salmon, with harvests averaging about 3,000 fish annually in recent years. Boat angling occurs throughout the calendar year; anglers harvest immature chinook salmon, and the harvest totals about 2,000 fish annually.

The Homer boat fishery has a long history of nonrandom (voluntary) recoveries of CWTs. After expanding for relative marking fractions, the percentage of recoveries of known-origin fish by state or province of origin was: 1% Alaska, 94% British Columbia, 2% Washington, and 3% Oregon. CWT recovery programs intended to provide quantitative estimates of stock composition were initiated in 1994 for the Lower Cook Inlet and Kodiak sport fisheries.

The greatest increase in chinook salmon harvest occurred in state managed commercial salmon

fisheries. Total harvest increased from an average of about 69,000 fish (1980-1983 average) to about 101,000 fish (1990-1993 average), with a peak harvest of over 130,000 fish in 1993 (Figure C). Most of the increase occurred in the Kodiak and Chignik fisheries. Kodiak harvests increased from a 1980-1983 average of 1,800 fish to a 1990-1993 average of 27,000 fish; a 14-year record harvest of about 42,000 fish occurred in 1993. Harvest of chinook salmon in Chignik averaged about 4,000 fish from 1980-1983 and occurred primarily within Chignik Lagoon. Harvests increased to almost 11,000 fish in 1990-1993, with a 14-year record harvest of nearly 20,000 fish in 1993. Virtually all of the increase occurred outside Chignik Lagoon.

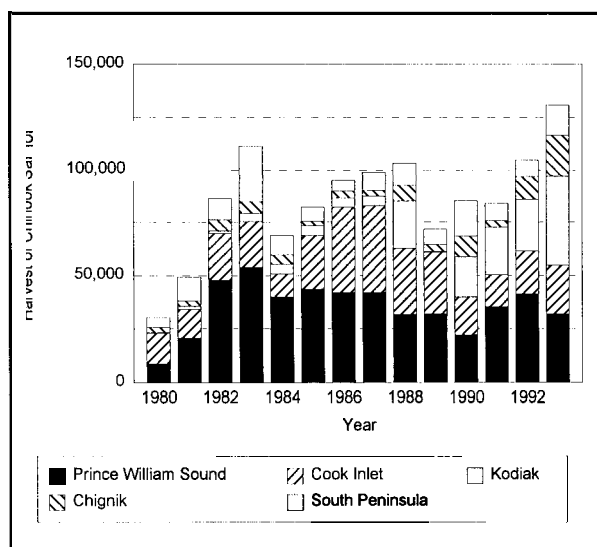


Figure C. Harvest of chinook salmon (numbers of fish) in state managed commercial fisheries in marine waters of southcentral Alaska, 1980-1993.

For both Kodiak and Chignik fisheries, increased harvests were usually coupled with decreases in average size of harvested fish. Some nonrandom recoveries of CWTs have been made in Kodiak fisheries and after expansion for relative marking fractions, the percentage of recoveries of known-origin fish by state or province was: 6% Alaskan, 91% British Columbia, less than 1% Oregon, and 3% Washington. CWT recovery programs intended to provide reliable, quantitative estimates of stock composition were also initiated in 1994 for selected Kodiak and Chignik commercial fisheries.

Other commercial fisheries harvesting immature chinook salmon were identified in Lower Cook Inlet, Prince William Sound (excluding the Copper River

area), and the southern Alaska Peninsula areas. Harvests have increased in Lower Cook Inlet and Prince William Sound, and total in the low thousands. The only quantitative CWT recovery program in southcentral Alaska for chinook salmon was in Prince William Sound. Chinook salmon of nonlocal origin were recovered there; harvests of these fish accounted for only a small portion of the entire harvest. Harvests from southside Alaska Peninsula fisheries have been variable, averaging approximately 10,000 fish annually. Virtually nothing is known concerning stock composition. Initiation of a CWT recovery program is recommended for the Southern Alaska Peninsula fishery.

Bycatch of chinook salmon in federally managed groundfish fisheries in areas 610-640 has been highly variable, averaging 30,000-40,000 fish annually (Figure D). Bycatch peaked at 75,000 fish in 1984. Bycatch estimates for the domestic fishery are not available prior to 1990, when monitoring by observers became mandatory.

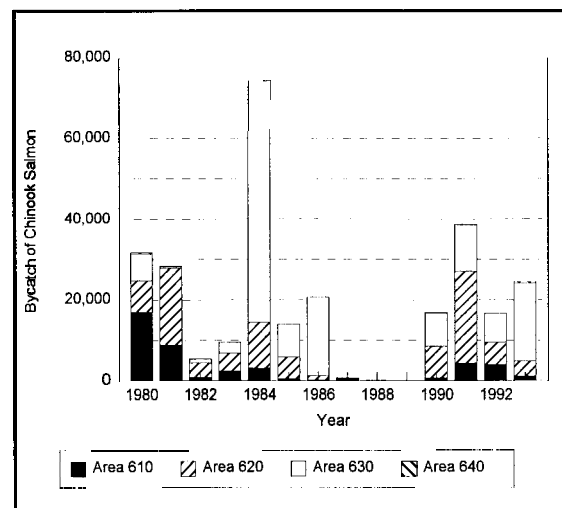


Figure D. Bycatch of chinook salmon (numbers of fish) in federally managed groundfish fisheries in marine waters of southcentral Alaska, 1980-1993.

Almost all chinook salmon in groundfish bycatches are immature. Recovery of CWTs, after expansion for relative marking fractions, showed a chinook salmon bycatch of highly mixed origins from Alaska, British Columbia, Washington, and Oregon. Because bycatch estimates and CWT recoveries are generated through an observer program, data exist to assess precision and accuracy of bycatch estimates and to calculate estimates of contribution by stock. These analyses should be implemented.

Contribution of chinook salmon stocks originating from southcentral Alaska to groundfish fisheries has been almost impossible to estimate because few chinook salmon stocks are tagged with CWTs. A program to tag chinook salmon with CWTs was implemented in 1993 for several wild and hatchery stocks in Cook Inlet. Tagging of chinook salmon from other Cook Inlet systems, the Copper River and Kodiak Island systems, and the Chignik River should be considered.

Resource managers should be concerned about the lack of information regarding much of the chinook salmon harvest in marine waters of southcentral Alaska. Many fisheries harvest immature chinook salmon of widely dispersed or unknown origin. Of particular concern is the bycatch in federally managed commercial fisheries for groundfish, and the state managed commercial fisheries in the Kodiak and Chignik areas (the fastest growing segments of the marine harvest).

INTRODUCTION

Harvests of chinook salmon (*Oncorhynchus tshawytscha*), particularly in marine waters, have received increasing attention throughout the Pacific northwest in recent years. Management of chinook salmon is difficult because of the highly migratory nature of the species. Chinook salmon are often harvested far beyond the political boundaries encompassing their natal streams, resulting in the conflicts frequently documented in the fisheries literature and news media. Conflicts concerning implementation of the Endangered Species Act (ESA), US-Canada treaty negotiations, and allocations between competing users are some of the major issues faced by the Alaska Department of Fish and Game (ADF&G).

Large harvests of immature chinook salmon in marine fisheries complicate the ability of resource managers to comply with sustained yield mandates. Ocean-rearing chinook salmon can be vulnerable to marine fisheries for up to 5 years. Cumulative fishing mortality on these fish can quickly accelerate to excessive levels, particularly if coupled with intense terminal fisheries (Hankin and Healey 1986). Because female chinook salmon mature later than males, they are more vulnerable to the sequential nature of marine fisheries for immature chinook salmon, and they decline in abundance more rapidly as exploitation increases. Excessive marine harvests of rearing chinook salmon have resulted in decreased size and age-at-return (Ricker 1980) which reduces the value of this resource, is often a precursor to stock collapse, and raises concerns about the wisdom of large harvests of immature fish from mixed stocks. Regulating total harvest of this species is further complicated by the incidental harvest of chinook salmon in marine fisheries.

For these reasons, the scope of chinook salmon management has increasingly expanded beyond traditional local areas and, to some extent, has begun to resemble management of migratory waterfowl. Responsible development of marine fisheries for chinook salmon requires reliable estimates of marine harvest by stock, and responsible management of chinook salmon stocks requires comprehensive knowledge of the many fisheries that may be impacting those stocks. To date, little has been done to comprehensively view the fisheries and stocks of chinook salmon in southcentral Alaska.

The objective of this report is to initiate a comprehensive database of harvest and stock composition of chinook salmon in southcentral Alaska. To this end, we identify fisheries by area and present annual compilations of: (1) harvest; (2) average size of harvested fish; and (3) coded wire tag (CWT) recoveries. In addition to compiling these data, we also make programmatic recommendations so that management agencies can develop improved databases for management of chinook salmon fisheries. The reasons for trends in harvest, size, and CWT data are beyond the scope of this report. These will be dealt with in a series of follow-up reports currently being developed.

For purposes of this report, the term "marine waters of southcentral Alaska" refers to all marine waters north and west of Cape Suckling and north and east of the terminus of the Alaska Peninsula (Figure 1). This area includes those portions of the Gulf of Alaska commonly referred to as Prince William Sound, Cook Inlet, Kodiak Island waters, Chignik, and the south side of the Alaska Peninsula. Fisheries which harvest chinook salmon within these waters include: (1) sport fisheries managed by the State of Alaska; (2) commercial net fisheries for Pacific salmon (*O. sp.*) managed by the State of Alaska; and (3) commercial fisheries (mostly trawl gear) for groundfish managed by the federal government.

METHODS

State Managed Sport Fisheries

We compiled estimates of marine sport harvests of chinook salmon for the period 1980 through 1992 (the most recent estimates available) from Statewide Harvest Surveys (SWHS) by Mills (1981-1993). Since 1977, the Alaska Department of Fish and Game, Division of Sport Fish, has estimated sport harvests of chinook salmon, and other fish species, annually from mail surveys. Questionnaires are mailed to a random sample of households containing one or more individuals who purchased Alaskan sport fishing licenses. Respondents are asked to record the number of anglers, trips, days fished, number of fish caught and number kept, and locations fished. Harvest, catch, and

effort are then estimated from responses. Multiple mailings of questionnaires are used to remove nonresponse bias from the survey (Pollack et al. 1994) with methods similar to those of Drane et al. (1993).

We present harvest by the following areas: Prince William Sound (PWS), Lower Cook Inlet, Upper Cook Inlet, Kodiak, Alaska Peninsula, and total marine waters of southcentral Alaska. Prince William Sound was further divided into the Eastside and Westside areas; Lower Cook Inlet was divided into the Homer and Seward areas. The areas we used did not correspond exactly with the large reporting areas from the SWHS (Figure 2). Our Westside area of Prince William Sound included Passage Canal, Esther Island, Other Saltwater, Boat-Other, and Shoreline Other from the SWHS; our Eastside area included all other saltwater locations (Appendix A). Estimates of sport harvest for Lower Cook Inlet came from the SWHS table for Kenai Peninsula Saltwater. Resurrection Bay (charter boat, private boat, and shoreline summed) was used for our Seward Area; all other locations were summed across charter boat, private boat and shoreline, to provide estimates of sport harvest for our Homer Area (Appendix B). Our Upper Cook Inlet area included the saltwater estimates from several SWHS areas, including the Knik Arm Drainage, Anchorage, West Cook Inlet-West Susitna, and Kenai Peninsula (Appendix C). For Kodiak, the "All Saltwater" subtotal was used (Appendix D); for the Alaska Peninsula, we also used the "All Saltwater" subtotal from the SWHS (Appendix E).

The SWHS presents harvest of chinook salmon by "small" and "large" sizes. The definition of small and large varies by location (Table 1). Harvest was not calculated by size for Prince William Sound in the SWHS prior to 1989. We present harvest by size, and calculated the percent of the sport harvest that was "small" for each year and area. Differences in definition of small and large were ignored when percent small was calculated for total marine sport harvest for marine waters of southcentral Alaska. We used the small and large sizes to define immature and mature fish, ignoring differences in the definition of small and large fish among areas.

Harvest and size data for chinook salmon in state managed sport fisheries are presented in Table 2 through Table 7 and Figure 3 and Figure 4.

State Managed Commercial Fisheries for Salmon

We compiled estimates of the annual harvests of chinook salmon in commercial salmon fisheries by area (Prince William Sound, Cook Inlet, Kodiak, Chignik, and South Peninsula, Figure 5 through Figure 10) and within areas, by fishing district for the years 1980-1993 based on data obtained from computer runs of the State of Alaska, Department of Fish and Game, Fish Ticket Database Reporting System. Fish tickets are sales receipts filled out by processors when purchasing commercially harvested fish from harvesters. Information recorded on fish tickets includes number of fish by species purchased, weight of purchased fish, date of transaction, harvest gear type, and fishing district where the fish were caught. Our computer runs of the fish ticket data included the number of chinook salmon harvested by gear type by fishing district by year, total weight of chinook in the gear-district-year strata, and mean weight of chinook salmon harvested in the strata. Tables in this report that provide harvest and mean weight statistics include footnotes listing the specific file number that was used as a source for the fish ticket information. In a few instances, the gear type or district for a particular harvester-processor transaction (individual fish ticket) were not recorded or were recorded in an illegible manner. When this occurred, we made an assumption concerning the appropriate gear type or district; these choices are specifically footnoted in the tables.

Harvests and mean weights of chinook salmon in state managed commercial fisheries for salmon are presented in Table 8 through Table 29, and Figure 11 through Figure 22. In interpreting mean weight statistics, we arbitrarily used a mean weight of 20 lb as the criteria for categorizing chinook salmon harvests as immature (<20 lb) or mature (>20 lb).

Federally Managed Commercial Fisheries for Groundfish

Fisheries occurring outside state managed waters but within U.S. territorial waters are managed by the National Marine Fisheries Service (NMFS). We compiled data from federally managed marine fisheries of southcentral Alaska from NMFS reporting areas 640, 649, 630, 620, and 610 (Figure 23). Area 640 (West Yakutat Area) includes all marine waters from 140° to 147° W longitude; area 649 is the waters of Prince William Sound. Area

630 (Kodiak Area) includes waters from 147° W longitude to 154° W longitude; area 620 (Chirikov Area) is from 154° to 159° W longitude. Area 610 (Shumagin Area) includes waters from 159° to 170° W longitude.

Chinook salmon are caught incidentally in federally managed commercial fisheries that target other fish species in the marine waters of southcentral Alaska. Most incidental catches of chinook salmon occur in offshore trawl fisheries, although a few chinook salmon are likely caught on longlines, jigs, and with other miscellaneous gear types. Federal regulations prohibit the retention of chinook salmon in groundfish fisheries in marine waters of southcentral Alaska, and all chinook salmon caught must be returned as quickly as possible to the ocean (Pacific Associates 1994). We coalesced estimates of incidental chinook salmon bycatch for groundfish fisheries in marine waters of southcentral Alaska, exclusive of waters off Southeast and Yakutat, Alaska, for the years 1980-1993. Available data include bycatch by foreign fishermen, joint-venture fisheries, and domestic fisheries.

Chinook salmon were harvested incidentally in foreign fisheries from 1980-1986. Foreign fishermen ceased operations following the 1986 season and in 1986, only longlines were used and no salmon were estimated to have been caught. Data sources used to document incidental chinook salmon bycatch by foreign fishermen for 1980-1986 include Nelson (1983) and Berger and Nelson (1984, 1985, and 1987). Chinook salmon were also harvested incidentally during joint-venture fisheries from 1980 through 1988. Data sources used to document chinook salmon bycatch by joint-venture fishermen for 1980-1986 include Nelson (1983), Berger and Nelson (1984, 1985, and 1987), Berger et al. (1988), and Berger and Weikart (1988 and 1989).

Chinook salmon have also been harvested incidentally by domestic commercial fishermen since 1980. However, comprehensive monitoring of the domestic fishery by observers did not occur until 1990. The chinook salmon bycatches for the domestic fishery that we included in this report are for the years 1990-1993. Data sources include a published report by Guttormsen et al. (1992), a draft report by Guttormsen et al. (1994), and information obtained from a National Marine Fisheries Service database query (Steven Pennoyer, NMFS, Juneau, AK, personal communication, 3/30/94). Readers are cautioned that the information presented in this report for chinook salmon bycatches by the domestic fishery are incomplete because of the paucity of estimates for the years 1980-1989. Estimates of total chinook salmon bycatch presented in this report are biased low for the years 1980-1989 because of the lack of estimates of bycatch by domestic fishermen in these years. Only the 1990-1993 data are complete and inclusive.

In some cases, the source reports only provided direct estimates of the number of total salmon of all species harvested as bycatch for specific fishing areas (West Yakutat, Kodiak, Chirikov, and Shumagin) rather than the number of chinook salmon harvested. In these cases we used the species composition of salmon bycatches in the Gulf of Alaska as a whole to estimate annual chinook salmon bycatches with the inherent assumption that salmon species composition was similar from area to area. When these types of calculations were made, the tables are footnoted so that readers can review the basic raw data used to make these estimates. In some cases, both mean weight and mean length of chinook salmon bycatches were provided for specific user-area-year strata and in other cases only mean length data were provided. When mean weight data were not provided, we used a length-weight equation for ocean bright chinook salmon (Ben Van Alen, ADF&G, Douglas, AK, personal communication) to estimate mean weight. Footnotes on tables presented in this report identify when such length-weight conversions were made. In interpreting mean weight statistics, we arbitrarily used a mean weight of 20 lb (as with the state managed commercial fisheries) as the criteria for categorizing chinook salmon bycatch as immature (<20 lb) or mature (>20 lb).

Bycatch and mean weights of chinook salmon in federally managed commercial groundfish fisheries are presented in Table 30 through Table 37, and Figure 24. Total harvests of chinook salmon from state managed sport fisheries, state managed commercial fisheries, federally managed groundfish fisheries, and all fisheries in marine waters of southcentral Alaska are presented in Figure 25.

Recoveries of Chinook Salmon with Coded Wire Tags

We summarized recoveries of chinook salmon with coded wire tags harvested in Alaskan waters from 1980 to 1993. Because Alaska is a signatory to the Pacific States Marine Fisheries Commission, the Commercial Fisheries

Management and Development Division (CFMD) of the Alaska Department of Fish and Game maintains a Statewide Coded Wire Tag database. This database contains comprehensive information on all coded wire tagged fish released in California, Oregon, Idaho, Washington, Canada, and Alaska, all sampling programs for coded wire tags, and all recoveries of fish with coded wire tags. We obtained two subsets of the Statewide Coded Wire Tag database. The first subset of the database contained all chinook salmon with coded wire tags recovered by ADF&G personnel (600 recoveries); the second contained all chinook salmon recovered by NMFS observers (432 recoveries). Fields included in the first subset (ADF&G) of the database were: year, head number, tag code, brood year, hatchery or wild stock, release site, release state, agency, number marked, number released, date of release, recovery date, sample type, port, sample source, gear, district/subdistrict, length, length type, and preferred source contribution. Fields included in the second (NMFS) subset were: tag code, replicate, brood year, release location, state, agency, number released, release date, recovery date, recovery latitude degrees, recovery latitude minutes, recovery longitude degrees, recovery longitude minutes, length, weight, gonad weight, sex, and gear.

When harvests of fish were examined for adipose clips in catch sampling programs, estimates of contribution of groups of chinook salmon tagged with CWTs to fisheries were calculated. Prince William Sound was the only area within marine waters of southcentral Alaska in which catch sampling programs were conducted prior to 1994. Contribution of groups of chinook salmon tagged with CWTs to sampled Prince William Sound fisheries was estimated according to methods of Clark and Bernard (1987), and was provided in the ADF&G subset in the field "preferred source contribution." Contribution of individual recoveries was summed to estimate contribution by gear, district, and year.

Coded wire tags were also recovered by Division of Sport Fish, CFMD, and NMFS personnel on an opportunistic basis from 1980-1993. CWTs were recovered in Kodiak, Upper and Lower Cook Inlet, and NMFS areas 610, 620, 630, 640, and 649. These recoveries occurred while personnel were conducting other sampling activities and when sport anglers or commercial fishermen voluntarily turned in chinook salmon with adipose clips. Numbers of CWTs for each cohort recovered in a year were stratified by district. Recoveries in a stratum were expanded upward for each cohort by the fraction of that cohort with CWTs to produce what we term "relative mark."

Length or weight (or both) was recorded for most chinook salmon recovered by NMFS observers and for about 75% of those recovered by ADF&G personnel in our two database subsets. For state recoveries, lengths were mid-eye to fork-of-tail, tip-of-nose to fork-of-tail, and total length. We converted mid-eye to fork-of-tail and total lengths to tip-of-nose to fork-of-tail lengths using relationships calculated by Pahlke (1989). Tip-of-nose to fork-of-tail lengths were then converted to weight (lb) using a length-weight equation (Ben Van Alen, ADF&G, Douglas, AK, personal communication). For NMFS recoveries, weight in grams was converted to pounds. Length measurements were available from 459 state recoveries and 399 weight measurements were available from federal recoveries. The proportion of recovered chinook in four weight categories (<10 lb, 10-14 lb, 15-19 lb, and >19 lb) was then plotted for each CFMD management area and NMFS recording area.

Summaries of coded wire tag recoveries from state managed sport fisheries are provided in Table 38 through Table 41; from state managed commercial and cost recovery fisheries in Table 42 through Table 46 (including contribution estimates for Prince William Sound); from all state managed fisheries in Table 47; and from federally managed groundfish fisheries in Table 48 through Table 51. Size compositions of chinook salmon with coded wire tags are provided in Figure 26 through Figure 37. Locations of chinook salmon recovered with coded wire tags are shown in Figure 38 through Figure 41. Complete listings of CWT recoveries used for this report are in Appendix F and Appendix G.

RESULTS, CONCLUSIONS AND RECOMMENDATIONS

Brief descriptions of fisheries which harvest chinook salmon in marine waters of southcentral Alaska are provided below, along with conclusions about the chinook salmon harvests and recommendations for assessment of those fisheries.

State Managed Sport Fisheries

Total sport harvest of chinook salmon from marine waters of southcentral Alaska increased substantially from an average of about 9,000 fish annually during the 1980s to an average of about 16,000 fish annually during the 1990s (Table 2; Figure 3). During the 1980s, marine sport fisheries represented about 10% of the combined state managed sport and commercial harvest of chinook salmon; during the 1990s that percentage increased to about 14%. By far, the largest marine sport fishery for chinook salmon occurs in Upper Cook Inlet and is based out of beach launching sites near Deep Creek and the Anchor River. Much smaller marine sport fisheries are based out of Prince William Sound (Cordova), Lower Cook Inlet (Homer and Seward), Kodiak, and the Alaska Peninsula.

Prince William Sound

Sport harvest of chinook salmon in marine waters of Prince William Sound totaled several hundred to 1,000 fish annually from 1980-1993 (Table 3). Much of the harvest was comprised of small, and likely immature, chinook salmon (Figure 4).

Twenty-one nonrandom recoveries of chinook salmon with coded wire tags were made from sport fisheries in Prince William Sound (Table 38; Figure 38 through Figure 41). After expansion for relative marking fractions, percent by state or province of known origin was: 69% Alaska, 29% British Columbia, and 1% each from Washington and Oregon. Most recoveries of non-Alaskan origin were under 10 lb, whereas most recoveries of Alaskan origin were larger than 19 lb (Figure 26).

Based on these data, we offer the following conclusions regarding this fishery:

1. *Sport harvest of chinook salmon in marine waters of Prince William Sound totals in the hundreds of fish.*
2. *Sport harvests of chinook salmon in marine waters of Prince William Sound are likely supported by immature fish.* This conclusion is supported by the high incidence of small (< 16 inches) chinook salmon in the sport harvest in some years.
3. *No effort has been made to recover CWTs from chinook salmon harvested in Prince William Sound sport fisheries.*

Because harvest is so low, we have no further recommendation for assessment of this fishery. Continued estimation of harvest through the SWHS is adequate.

Lower Cook Inlet

Total sport harvest of chinook salmon in Lower Cook Inlet averaged nearly 2,000 fish from 1980-1987 (Table 4 and Figure 4). Total harvest increased in 1988, averaging approximately 7,400 chinook salmon from 1988-1992. Peak harvest occurred in 1988 when nearly 12,000 chinook salmon were harvested. The percentage of small (<16 inches) fish averaged 14% from 1980-1993.

Lower Cook Inlet sport fisheries are accessed through the ports of Homer and Seward. Beach and boat fisheries occur in both ports (Nelson 1992; Hepler et al. 1992). Beach fisheries in both locations target hatchery releases of chinook salmon. In and near Homer, hatchery releases occur at Homer Spit, Halibut Cove, and Seldovia. Hatchery-reared chinook salmon are also released in Seward. The four-fold increase in harvest since 1988 in both ports is concurrent with full returns of hatchery fish (e.g. complete complement of ocean ages).

Boat fisheries were well established in both Homer and Seward prior to 1988. The harvest of chinook salmon landed in Seward was historically small and averaged approximately 250 fish. The Seward boat fishery occurs almost exclusively during the summer months (May - September). The harvest of chinook salmon landed in Homer prior to 1988 was greater and averaged approximately 1,700 fish. Some of the increased harvest since 1988 probably occurred in these boat fisheries. Some effort in this fishery occurs throughout the year.

The largest number of voluntary recoveries of chinook salmon with CWTs in southcentral Alaska has occurred in the Homer sport fishery. From 1980-1993, 71 CWTs were voluntarily recovered in Lower Cook Inlet, mostly from Homer (Table 39; Figure 38 through Figure 41). After expansion for relative marking fractions, percent by state or province of known origin for Homer was: 1% Alaska, 94% British Columbia, 2% Washington, and 3% Oregon. Although a catch sampling program was not in effect prior to 1994, this fishery clearly harvests immature chinook salmon of nonlocal origin. Percent by state or province of chinook salmon of known origin landed in Seward was very different: 40% Alaska, 2% British Columbia, and 58% Washington.

Based on these data, we draw the following conclusions regarding these sport fisheries:

1. ***Total sport harvest from Lower Cook Inlet (both Homer and Seward) has increased since 1988 and currently averages approximately 7,400 chinook salmon.***
2. ***Shore-based fisheries in Homer and Seward are primarily responsible for the increased harvest since 1988 and target hatchery releases of chinook salmon.***
3. ***Harvest of chinook salmon in the boat fishery from Seward averages in the low hundreds.***
4. ***The boat fishery from Homer harvests immature chinook salmon of nonlocal origin; harvests likely average approximately 2,000 fish.*** This conclusion is based on the year-around nature of the fishery and the history of CWT returns.

We offer the following recommendations for future assessment of these fisheries:

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| 1. <i>Implement a CWT recovery program for the Homer boat fishery.</i> A pilot program was initiated during summer 1994. |
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Upper Cook Inlet

Large sport harvests of chinook salmon also occur in Upper Cook Inlet (Table 5; Figure 4). Total harvest grew steadily from approximately 1,600 chinook salmon in 1980 to nearly 9,000 in 1992. Although harvests were large, the percentage of small (<16 inches) chinook salmon was low. Total harvest of chinook salmon in marine sport fisheries of Upper Cook Inlet is nearly equal to that in Lower Cook Inlet and trends are similar.

The Upper Cook Inlet marine fishery occurs in the nearshore waters by Deep Creek and the Anchor River from May through July and targets the numerous adult chinook salmon destined for spawning and hatchery release locations in Upper Cook Inlet (Nelson 1992). Likely origins of these fish include the Susitna River; numerous smaller systems in northern Cook Inlet, including the Little Susitna, Beluga, Theodore, Chuit, and Lewis rivers; the Kenai River; numerous smaller systems on the Kenai Peninsula, including the Kasilof, Deep Creek, Anchor, and Ninilchik rivers; and eight hatchery release sites in Cook Inlet. This conclusion is supported by the low incidence of small chinook salmon in the harvest, although we recognize that the 16 inch threshold is very small. Although estimates of contribution by stock have not been made, the timing and location of the fishery strongly support this conclusion.

Thirteen nonrandom (voluntary) CWTs were recovered from marine sport fisheries of Upper Cook Inlet from 1980-1993 (Table 40; Figure 38 through Figure 41). After expansion for marking fractions, percent composition across years for fish of known origin was 42% Alaska and 58% British Columbia.

Based on these data, we draw the following conclusions regarding this sport fishery:

1. *Harvest in the Upper Cook Inlet sport fishery has grown, and currently totals approximately 9,000 chinook salmon.*
2. *The fishery harvests mixed stocks of adult chinook salmon returning to spawning and hatchery locations in Cook Inlet.* This conclusion is supported by the timing of the fishery, proximity to local stocks, and low incidence of small fish.
3. *No effort has been made to initiate a quantitative CWT recovery program for chinook salmon harvested in the Upper Cook Inlet sport fishery.*
4. *A major deficiency in stock assessment for Cook Inlet chinook salmon is estimation of harvest of immature chinook salmon in marine fisheries outside of Cook Inlet, and harvest of adult chinook salmon in the Upper Cook Inlet marine sport fishery.*

We offer the following recommendations for future assessment of this sport fishery:

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| 1. <i>Tag Cook Inlet chinook salmon stocks with coded wire tags.</i> ADF&G, Division of Sport Fish has recently initiated CWT programs for all hatchery releases in Cook Inlet and selected wild stocks. |
| 2. <i>Implement a CWT recovery program in the Upper Cook Inlet sport fishery.</i> This program would provide estimates of contribution for selected stocks to this fishery. Harvests in Upper Cook Inlet fisheries are primarily adults. Random coded wire tag recovery programs do not presently exist in Cook Inlet, although such a program will likely be implemented in Upper Cook Inlet in the next few years to estimate contribution of adults to mixed stock fisheries. |

Kodiak

Sport harvest of chinook salmon in marine waters of Kodiak Island numbers in the hundreds and averaged approximately 150 fish during the period 1980-1991 (Table 6). The peak harvest of nearly 600 chinook salmon occurred in 1992. Total harvest will likely continue to grow in the near future.

Virtually all of the marine harvest of chinook salmon occurs near the town of Kodiak. However, two distinct fisheries occur: a boat fishery in the outer waters of Chiniak Bay and a shore fishery on the beaches in Kodiak (Schwarz 1992). The boat fishery occurred throughout the 1980-1993 period. Until recently, no local stocks of chinook salmon returned to this area and the fishery clearly targeted chinook salmon of nonlocal origin. The incidence of immature fish is likely high as evidenced by the high percentage of small (< 20 inches) chinook salmon in the harvest (Figure 4). In recent years, a stocked return of chinook salmon was established at Mill Bay within the town of Kodiak and a shore fishery developed to target these adult fish. Much of the increase in the 1992 harvest occurred in this fishery as evidenced by the decrease in the incidence of small fish in the total Kodiak sport harvest (Table 6 and Figure 4). CWTs were recovered sporadically from the Kodiak sport fishery prior to 1994. From 1980-1993 eight CWTs were recovered: two from Alaska and six from British Columbia (Table 41; Figure 38 through Figure 41).

Based on these data, we draw the following conclusions regarding these sport fisheries:

1. *Sport harvests of chinook salmon in the marine waters of Kodiak total in the hundreds of fish; however the harvest has recently increased and is expected to continue to grow in the near future.*
2. *Sport harvests of chinook salmon by the boat fishery in and near the marine waters of Chiniak Bay are likely supported by immature fish.* This conclusion is supported by the high incidence of small (<20 inches) chinook salmon in the sport harvest.
3. *Sport harvests of chinook salmon in the shore fishery in the town of Kodiak are likely supported by a local release of hatchery fish.*

4. *No effort was made to recover CWTs from chinook salmon harvested in Kodiak sport fisheries prior to 1994.*

We offer the following recommendations for future assessment of these sport fisheries:

1. ***Implement a CWT recovery program in the boat fishery.*** A pilot CWT recovery program was initiated during summer, 1994.

2. ***Tag the local hatchery release of chinook salmon with coded wire tags.***

Alaska Peninsula

Sport harvest of chinook salmon in the marine waters of the Alaska Peninsula totals several hundred fish annually. Much of the harvest is comprised of small and likely immature chinook salmon (Table 7; Figure 4).

Based on these data, we offer the following conclusions regarding this fishery:

1. *Sport harvest of chinook salmon in marine waters of the Alaska Peninsula totals in the hundreds of fish.*
2. *Sport harvest of chinook salmon in marine waters of the Alaska Peninsula is likely supported by immature fish.* This conclusion is supported by the high incidence of small (< 28 inches) chinook salmon in the sport harvest.
3. *No effort has been made to recover CWTs from chinook salmon caught in Alaska Peninsula sport fisheries.*

Because harvest is so low, we have no further recommendations for assessment of this fishery. Continued estimation of harvest through the SWHS is adequate.

State Managed Commercial Fisheries for Salmon

Total harvest of chinook salmon in state managed commercial fisheries in marine waters of southcentral Alaska increased from an average of about 69,000 fish from 1980-1983 to an average of about 101,000 fish from 1990-1993. A 14-year record harvest of 131,000 chinook salmon occurred in 1993 (Table 8; Figure 11). However, this overall trend is not reflective of trends in the five commercial fishing areas: (1) Prince William Sound; (2) Cook Inlet; (3) Kodiak; (4) Chignik; and, (5) South Peninsula.

Prince William Sound

Chinook salmon are harvested with drift gill nets, set gill nets, and purse seines in various districts of Prince William Sound. Annual harvests of chinook salmon in the Coghill, Eshamy, and Unakwik districts with drift and set gill nets ranged from about 100 to 700 fish annually from 1980-1993 (Table 9; Figure 12); mean weights ranged from about 9.1 to 16.6 lb. Annual chinook salmon harvests with purse seines in the Eastern, Northern, Coghill, Northwest, and Southwest districts ranged from less than 100 fish to almost 1,500 fish and mean weights of harvested chinook salmon ranged from 10.2 to 19.7 lb (Table 10; Figure 12). Harvest of chinook salmon with purse seines in these districts was about 1,500 fish in 1993.

The only major fishery for chinook salmon in the Prince William Sound Area is the drift gill net fishery in the Copper and Bering River districts where harvests ranged from about 8,000 to 53,000 fish annually from 1980-1993 (Table 11; Figure 12). Annual harvests in this area averaged about 35,000 fish during the 1980s and about 32,000 fish during the 1990s. Mean weights averaged from 21.5 to 29.2 lb; the majority of the harvest is believed to be mature chinook salmon headed for major spawning grounds located in the Copper River drainage.

A catch sampling program for recovering coded wire tags provided data to estimate stock composition of chinook salmon caught in Prince William Sound from 1984-1993. Most chinook salmon with CWTs were harvested in Prince William Sound proper districts such as the Coghill, Eastern and Eshamy districts where mean weights of harvested chinook salmon were much less than mean weights of chinook salmon harvested in Copper River District fisheries. A total of 167 chinook salmon with CWTs (random and nonrandom recoveries) originating from Alaska, 95 originating from British Columbia, 45 originating from Oregon, and 42 originating from Washington were documented from Prince William Sound commercial fisheries from 1980-1993 (Table 42 and Table 44; Figure 38 through Figure 41). Groups of chinook salmon tagged with CWTs that originated in Alaska contributed a total of 1,276 fish to sampled Prince William Sound fisheries from 1984-1993; those originating from British Columbia contributed 2,312; from Oregon 1,079; and from Washington 449. Percent contribution and percent relative mark were similar (Table 44). Almost all chinook salmon with CWTs recovered from cost recovery fisheries were of Alaskan origin (Table 43 and Table 44). These data underscore the value of CWT tagging and recovery programs, because only about 5,000 chinook salmon could be allocated to specific stocks out of a total harvest of nearly 500,000 from 1980-1993 (Table 44). Most non-Alaskan chinook salmon with CWTs were less than 10 lb; most Alaskan chinook salmon with CWTs were larger than 19 lb (Figure 26).

Based on these data, we draw the following conclusions regarding these fisheries:

1. *Harvests of chinook salmon averaged about 32,800 fish from 1980-1983 and about 32,700 fish from 1990-1993.*
2. *Most of the harvest of chinook salmon from Prince William Sound takes place in drift gill nets in the Copper River district.*
3. *The commercial set gill net and purse seine fisheries of Prince William Sound harvest immature chinook salmon.*
4. *Prince William Sound had the only quantitative CWT recovery program in southcentral Alaska with reported estimates of contribution prior to 1994.* This program provides data to estimate stock composition of chinook salmon caught in Prince William Sound.
5. *A deficiency in stock assessment for Copper River chinook salmon stocks is estimation of immature harvest in marine fisheries outside of Prince William Sound.*

We offer the following recommendations for future assessment of these fisheries:

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| <ol style="list-style-type: none"> 1. <i>Tag Copper River chinook salmon stocks with coded wire tags.</i> The value of this program would be to estimate immature harvest in marine fisheries outside of Prince William Sound. |
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Cook Inlet

Chinook salmon are harvested with purse seines, drift gill nets, and set gill nets in various districts of Cook Inlet. Purse seine harvests of chinook salmon in Lower Cook Inlet averaged about 300 fish per year during the 1980s and increased to about 600 fish per year during the 1990s. Mean weights ranged from about 4.6 to 21.5 lb. Most annual harvests were composed of fish averaging less than 10 lb, indicating the harvest of immature chinook salmon (Table 13 and Table 17; Figure 13).

Chinook salmon harvests with drift gill nets in Cook Inlet have been as high as 4,500 fish, but annual harvests during the 1980s averaged about 1,800 chinook salmon, decreasing to an annual average of about 600 chinook salmon during the 1990s. Mean weights during many years exceeded 20 lb, indicating the harvest of adult fish (Table 14 and Table 17; Figure 13).

Annual set gill net harvests of chinook salmon from Lower Cook Inlet waters averaged about 750 fish during the 1980s and increased to about 1,100 fish during the 1990s. Mean weights of harvested chinook salmon decreased

commensurate with the increased harvests, indicating harvest of immature chinook salmon (Table 15; Figure 14). Set gill net harvests of chinook salmon from Upper Cook Inlet waters averaged about 22,000 fish per year during the 1980s and decreased to about 16,000 fish per year during the 1990s; mean weights were consistently in excess of 20 lb during the 14-year period, indicating the harvest of adult fish (Table 15 and Table 16; Figure 14).

Only four chinook salmon with coded wire tags were recovered from commercial fisheries of Upper Cook Inlet from 1980-1993 (Table 45). All recovered chinook salmon originated in Alaska. No chinook salmon with CWTs were recovered from Lower Cook Inlet.

Based on these data, we draw the following conclusions regarding these fisheries:

1. ***Commercial harvest of chinook salmon from waters of Cook Inlet remained relatively constant, with an average harvest of about 17,700 fish from 1980-1983 and an average harvest of about 18,500 fish from 1990-1993.*** Most of the harvest of chinook salmon from Cook Inlet takes place in set gill net fisheries in Upper Cook Inlet; these fisheries harvest spawning salmon returning to tributaries of Cook Inlet.
2. ***Commercial fishery harvests of chinook salmon from Lower Cook Inlet with set gill nets and purse seines increased from about 900 fish (1980-1983 average) to about 1,800 fish (1990-1993 average). These fisheries harvest immature chinook salmon.***
3. ***A major deficiency in stock assessment for Cook Inlet chinook salmon is estimation of immature harvest in marine fisheries outside of Cook Inlet.***

We offer the following recommendations for future assessment of these fisheries:

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| 1. <i>Tag Cook Inlet chinook salmon stocks with coded wire tags.</i> ADF&G, Division of Sport Fish recently initiated CWT programs for all hatchery releases and selected wild stocks in Cook Inlet. |
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Kodiak

Chinook salmon are harvested with purse seines, set gill nets, and beach seines in the Kodiak Management Area. This area had the smallest chinook salmon harvest of the five management areas (Prince William Sound, Cook Inlet, Kodiak, Chignik, and South Peninsula) in the early 1980s and had the largest harvest of the areas in 1993. Annual chinook salmon harvests in the Kodiak Management Area increased from an average of less than 2,000 fish from 1980-1983 to about 4,500 fish from 1984-1987. Harvest increased again to about 22,000 fish from 1988-1992 (not including 1989, the year of the *Exxon Valdez* oil spill), and increased again to over 42,000 fish in 1993 (Table 18; Figure 16).

Purse seine gear accounted for the majority of chinook salmon harvested in the Kodiak Management Area. Annual chinook salmon harvests with purse seine gear averaged about 4,300 fish during the 1980s and increased about six-fold to an average of about 24,200 fish during the 1990s; mean weights averaged from 11.9 to 21.6 lb. Because the mean weight was less than 20 lb during 11 of the 14 years, we believe a large portion of the harvest was immature fish (Table 18 through Table 20). Mean weight of chinook salmon decreased during years when harvests increased, indicating an increasing harvest of immature chinook salmon (Figure 17 and Figure 18). Fishing districts currently having large chinook salmon harvests (more than 2,000) include districts 251, 253, 254, 255, 256, 258, and 262. The Karluk River, in district 255, and the Ayakulik River, in district 256, support spawning populations of chinook salmon.

Annual chinook salmon harvests with set gill nets averaged about 400 fish during the 1980s and increased six-fold to an average of about 2,500 fish during the 1990s; mean weights averaged from 11.5 to 20.4 lb. Mean weight was less than 20 lb during 12 of the 14 years, indicating a reliance on immature fish (Table 18, Table 21, and Table 22; Figure 17). Most of the set gill net harvest of chinook salmon takes place in districts 253 and 254.

Annual chinook salmon harvests with beach seines averaged about 20 fish during the 1980s and increased about four-fold to about 90 fish annually during the 1990s; mean weights averaged from 8.0 to 23.6 lb. Mean weight was less than 20 lb during 10 of the 14 years, indicating a reliance on immature fish (Table 18, Table 23, and Table 24).

Thirty-nine chinook salmon with coded wire tags were recovered from commercial fisheries of the Kodiak Management Area from 1980-1993 (Table 46; Figure 38 through Figure 41). After adjusting for relative marking ratios, the percentage of CWT chinook salmon of known origin by area was: 6% Alaskan, 91% British Columbia, less than 1% Oregon, and 3% Washington. These CWT data support the commercial fishery mean weight data indicating that much of the chinook salmon harvest in the Kodiak Management Area is composed of immature chinook salmon.

Based on these data, we draw the following conclusions regarding these fisheries:

1. ***Chinook salmon harvests in the Kodiak management area grew from a 1980-1983 average of 1,800 fish to an average of 26,900 fish from 1990-1993.*** The 1993 harvest of 42,000 fish was a 14-year record. Kodiak area harvests have grown from the least of the five state commercial fishing management areas in southcentral Alaska to the dominant commercial harvest area in 1993.
2. ***Average weight and the limited CWT data available indicate that much of the harvest of chinook salmon in the Kodiak management area is supported by immature fish.***

We offer the following recommendations for future assessment of these fisheries:

1. ***Implement a CWT recovery program for these fisheries.*** A random CWT recovery program was initiated in 1994.
2. ***Implement a CWT tagging program for the Karluk and Ayakulik rivers.***
3. ***Harvest and fishery data should be analyzed to determine if time or area trends are evident in the chinook salmon harvests.*** Our analysis was limited to annual compilations of harvest, mean weights, and CWT recoveries only.
4. ***Status of local chinook salmon stocks should be assessed.*** We made no attempt to assess status and timing of local stocks. The Karluk and Ayakulik rivers in the southwest part of Kodiak Island support spawning stocks of chinook salmon.

Chignik

Chinook salmon are harvested with purse seines in the Chignik Management Area. Chinook salmon harvests in this area increased from a few thousand fish per year during the 1980s to almost 20,000 fish in 1993 (Table 25; Figure 19). Harvests increased somewhat in the Chignik Bay Fishing District. Harvests increased in the three outlying fishing districts (Central/Eastern Fishing District, Western Fishing District, and Perryville Fishing District), especially in the Central/Eastern District.

In the Chignik Bay Fishing District, chinook salmon harvests averaged about 2,800 fish annually during the 1980s and increased about 30% to an average of about 3,600 fish annually during the 1990s. Mean weights of harvested chinook salmon have annually averaged from 13.9 to 25.2 lb with a mean weight less than 20 lb during only 3 of the 14 years, indicating a reliance on adult or spawning-size fish (Table 25; Figure 19).

In the Central/Eastern Fishing District, annual chinook salmon harvests averaged about 300 fish during the 1980s and increased about 13-fold to an average of about 3,700 fish during the 1990s. Mean weights of harvested chinook salmon averaged from 10.6 to 21.2 lb. Mean weight was less than 20 lb during 10 of the 14 years, indicating a reliance on immature fish (Table 25; Figure 19).

In the Western Fishing District, annual chinook salmon harvests averaged about 600 fish during the 1980s and increased about four-fold to about 2,700 fish during the 1990s. Mean weights of harvested chinook salmon averaged from 6.4 to 18.0 lb. Mean weight was less than 20 lb during all of the 14 years, indicating a reliance on immature fish (Table 25; Figure 19).

In the Perryville Fishing District, annual chinook salmon harvests averaged about 200 fish during the 1980s and increased about five-fold to about 900 fish during the 1990s. Mean weights of harvested chinook salmon averaged from 7.4 to 16.7 lb. Mean weight was less than 20 lb during all of the 14 years, indicating a reliance on immature fish (Table 25; Figure 19).

No CWTs were recovered from chinook salmon harvested commercially in the Chignik Management Area from 1980-1993.

Based on these data, we draw the following conclusions regarding these fisheries:

1. *Chinook salmon harvests in the Chignik management area increased from a 1980-1983 average of about 3,900 fish to a 1990-1993 average of about 10,900 fish. The 1993 harvest of about 20,000 fish was a 14-year record.* The growth was almost exclusively in the outer fishing districts.
2. *Average weight data indicate that the increase in the chinook salmon harvest from the Chignik management area was supported by immature fish.*
3. *No effort was made to recover CWTs from chinook salmon harvested in the Chignik management area prior to 1994.*

We offer the following recommendations for future assessment of these fisheries:

1. ***Implement a CWT recovery program for these fisheries.*** A CWT recovery program was initiated in 1994.
2. ***Implement a CWT tagging program for the Chignik River.***
3. ***Harvest data should be analyzed to determine if time or area trends are evident in the chinook salmon harvests.*** Our analysis was limited to annual compilations of harvest and mean weight statistics.
4. ***Status of local chinook salmon stocks should be assessed.*** We made no attempt to assess status and timing of local stocks. To our knowledge, the only significant production of chinook salmon in the Chignik Management Area originates from the Chignik River and supports the Chignik Lagoon harvest. Much of the increased harvest occurred on immature fish well away from the Chignik River.

South Peninsula

Chinook salmon are harvested with drift gill nets, set gill nets, and purse seines in the South Peninsula Management Area. During the past 14 years, chinook salmon harvests in the South Peninsula Management Area have ranged from about 4,800 fish in 1980 to about 26,600 fish in 1983. Chinook salmon harvests from the South Peninsula Management Area averaged about 10,000 fish per year during the 1980s and about 12,000 fish per year during the 1990s (Table 26; Figure 20).

Annual chinook salmon harvests with drift gill nets averaged about 1,200 fish during the 1980s and increased to about 1,900 fish during the 1990s; mean weights averaged from 10.2 to 23.2 lb. Mean weight was less than 20 lb during 9 of the 14 years, indicating a reliance on immature fish (Table 27; Figure 21). Most of the drift gill net

harvest of chinook salmon takes place in the Southwestern Fishing District, although a harvest of 1,231 chinook salmon occurred in 1993 in the Unimak Fishing District.

Annual chinook salmon harvests with set gill nets averaged about 600 fish during the 1980s and increased to about 900 fish during the 1990s; mean weights averaged from 8.9 to 20.9 lb. Mean weight was less than 20 lb during 11 of the 14 years, indicating a reliance on immature fish (Table 26 and Table 28; Figure 21). Most of the set gill net harvest of chinook salmon takes place in the Southeastern Mainland Fishing District, although harvests of up to a few hundred chinook salmon occurred in the Southeastern Fishing District, the South-Central Fishing District, and the Southwestern Fishing District.

Annual chinook salmon harvests with purse seines averaged about 8,300 fish during the 1980s and increased to about 9,000 fish during the 1990s; mean weights averaged from 14.2 to 23.2 lb. Mean weight was less than 20 lb during 12 of the 14 years, indicating a reliance on immature fish (Table 26; Figure 20). Most of the purse seine harvest of chinook salmon takes place in the Southeastern Fishing District, although harvests in excess of a thousand chinook salmon occurred in the Southeastern Mainland Fishing District, the South-Central Fishing District, and the Southwestern Fishing District (Table 29; Figure 22). Harvests of chinook salmon (up to 2,576 fish in 1993) also occurred in the Unimak Fishing District in 1991, 1992, and 1993.

No coded wire tags were recovered from chinook salmon harvested commercially in the South Peninsula Management Area from 1980-1993. The overall commercial chinook salmon harvest from the South Peninsula Management Area averaged about 11,000 fish per year since 1980. The majority of the harvest appears to be immature chinook salmon, and stock composition is unknown.

Based on these data, we draw the following conclusions regarding these fisheries:

1. *Chinook salmon harvests in the South Peninsula Management Area average 13,100 fish from 1980-1993 and 11,700 fish from 1990-1993; the largest harvest during the 14-year period was 27,000 fish in 1983.*
2. *Average weight data indicate that much of the harvest of chinook salmon in the South Peninsula Management Area is supported by immature fish.*
3. *No effort has been made to recover CWTs from chinook salmon harvested in the South Peninsula Management Area.*

We offer the following recommendations for future assessment of these fisheries:

1. ***Implement a CWT recovery program for these fisheries.***
2. ***Harvest data should be analyzed to determine if time or area trends are evident in the chinook harvest.*** Our analysis was limited to annual compilations of harvest and mean weights.
3. ***Status of local chinook salmon stocks should be assessed.*** We made no attempt to assess status and timing of local stocks. To our knowledge, few chinook salmon spawn in the South Peninsula Management Area.

Federally Managed Commercial Fisheries for Groundfish

Documented annual bycatch of chinook salmon in waters of southcentral Alaska north and west of Yakutat by foreign, joint-venture and domestic fishermen since 1980 peaked at 74,370 fish in 1984 (Table 30; Figure 24). From 1980-1985, bycatch of chinook salmon by foreign fishermen ranged from 349 to 31,540 chinook salmon. The foreign fishery was phased out of southcentral Alaska in 1986. From 1980-1985, bycatches of chinook salmon by foreign fishermen were relatively small in the West Yakutat Area (Area 640). Peak bycatches in the other areas

were: 6,591 chinook salmon in the Kodiak Area (Area 630), 19,002 chinook salmon in the Chirikov Area (Area 620), and 16,878 chinook salmon in the Shumagin Area (Area 610) (Table 31; Figure 24). From 1980 to 1985, mean weights of chinook salmon caught by foreign fishermen averaged from 1.8 to 8.7 lb (Table 34; Figure 24). Mean weight statistics for bycatches of chinook salmon by foreign fishermen are only available for the years 1984 and 1985; in 1984, the smallest fish were caught in the Kodiak Area (2.8 lb) and the largest fish were caught in the Chirikov Area (4.6 lb); whereas in 1985, the smallest fish were caught in the Shumagin Area (0.5 lb) and the largest fish were caught in the Kodiak Area (10.5 lb).

Joint-venture fisheries operated in waters of southcentral Alaska during most of the 1980s. Peak bycatch by joint-venture fishermen was 63,270 chinook salmon in 1984 (Table 32; Figure 24). From 1980-1988, joint-venture fishermen did not catch any chinook salmon from the West Yakutat Area. Peak bycatches in the other areas were: 54,033 chinook salmon in the Kodiak Area, 8,732 chinook salmon in the Chirikov Area, and 592 chinook salmon in the Shumagin Area (Table 32; Figure 24). From 1980 to 1988, mean weights of chinook salmon caught in joint-venture fisheries averaged from 0.8 to 8.7 lb (Table 35; Figure 24). From 1984 to 1988, these mean weights ranged from 0.7 to 8.1 lb in the Kodiak Area, from 3.9 to 8.3 lb in the Chirikov Area, and from 3.1 to 11.0 lb in the Shumagin Area (Table 35; Figure 24).

The domestic fishery supplanted foreign and joint-venture fisheries as they were phased out of southcentral Alaska. Mandatory observer coverage of the foreign and joint-venture fisheries insured that bycatches of prohibited species such as chinook salmon were documented. Comprehensive observer coverage of the domestic fishery, on the other hand, was not implemented until 1990. Although some documentation of bycatches of chinook salmon by the domestic fishery is provided in several reports, such as Blackburn (1982, 1983, and 1986), Craig and Watson (1989), and Hare and Wall (1988), comprehensive estimates of chinook salmon bycatches in the domestic fishery are not available prior to 1990. From 1990-1993, bycatch in the domestic fishery ranged from 16,710 to 38,717 chinook salmon (Table 33; Figure 24). Domestic fishermen caught few chinook salmon from the West Yakutat Area. From 1990-1993, peak bycatch by domestic fishermen was 19,410 chinook salmon in the Kodiak Area, 22,603 chinook salmon in the Chirikov Area, and 4,427 chinook salmon in the Shumagin Area (Table 33; Figure 24). From 1990 to 1993, mean weights of chinook salmon caught by domestic fishermen averaged from 2.8 to 6.6 lb (Table 36; Figure 24). During the 1990s, mean weights of chinook salmon caught by domestic fishermen ranged from 7.2 to 24.0 lb in the West Yakutat Area, from 2.7 to 5.1 lb in the Kodiak Area, from 2.3 to 7.3 lb in the Chirikov Area, and from 6.6 to 7.3 lb in the Shumagin Area (Table 36; Figure 24).

Bycatch of chinook salmon in foreign, joint-venture, and domestic fisheries combined in waters of southcentral Alaska averaged about 20,000 fish during the first 4 years of the 1980s (assuming the undocumented domestic fishery bycatches were minor) and averaged about 25,000 fish during the first 4 years of the 1990s, an increase of about 25% (Figure 24). Except for 1984 when the bycatch was about 75,000 chinook salmon, these offshore fisheries have likely accounted for 40,000 or fewer immature chinook salmon deaths per year. The best estimates of immature chinook salmon mortality due to these offshore fisheries is likely the information collected since 1990 when a mandatory observer program of the domestic fishery was implemented.

Chinook salmon with CWTs were recovered from all federal reporting areas (Table 48 through Table 51; Figure 38 through Figure 41). Numbers of recoveries generally matched the magnitude of the bycatch. For instance, the fewest tags (two) were recovered from area 640 (West Yakutat), the area of lowest bycatch. Recoveries from British Columbia were the most common in all areas. Although difficult to quantify without fishery sampling data, the incidence of tag recoveries from areas outside of Alaska, particularly British Columbia, increased from west to east. In all areas, the highest incidence of recovered tags was from small (less than 10 lb) fish (Figure 34 through Figure 37).

Based on these data, we draw the following conclusions regarding this fishery:

1. ***Bycatch of chinook salmon in this fishery is composed almost entirely of immature fish.*** This conclusion seems evident given the areas in which much of the fishery is conducted and the small size of fish in the bycatch.

2. ***Bycatch of chinook salmon in this fishery is composed of fish of highly mixed origins.*** Chinook salmon with CWTs originating from Alaska, British Columbia, Washington, and Oregon were recovered in this fishery. However, estimates of contribution by stock are not available.
3. ***Magnitude of the annual bycatch is approximately 20,000 - 40,000 immature chinook salmon. Annual bycatch is variable, and has been as high as 75,000 fish.***
4. ***Fishery assessment is poor.*** A major gap in bycatch estimates exists during the years 1980-1989, and is of major concern during the years 1987-1989, concurrent with buildup of the domestic fishery. The precision and accuracy of the bycatch estimates are unknown.

We offer the following recommendations for future assessment of this fishery:

1. ***Estimate precision and accuracy of estimates of chinook salmon bycatch and design sampling programs to obtain reliable estimates of bycatch.*** Bycatch estimates are based on observer coverage and it seems to us that these sampling data could and should be analyzed to estimate the confidence of the bycatch estimates. Desired levels of precision and accuracy should be established and levels of observer sampling should be determined.
2. ***Estimate contribution of recovered tag codes to this fishery for each year.*** Tags were recovered in this fishery by observers. It seems to us that the fishery sampling data associated with these recoveries (e.g. date and location of sampling, hauls sampled and not sampled, number examined, total number of adipose clipped fish observed and recovered) must exist although we did not obtain them. Desired levels of precision and accuracy for these estimates of contribution should be established and future levels of observer coverage should be determined.
3. ***Harvest data should be analyzed to determine if time or area trends are evident in the chinook salmon bycatch.*** Our analysis was limited to annual compilations of bycatch and CWT recoveries. However, the observer data necessary to examine fishing patterns for target and bycatch species exist, and analyses should be patterned on the Bering Sea chinook salmon analysis performed in ADF&G et al. (1993) for the North Pacific Fisheries Management Council.

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TABLES

Table 1. Definition of “small” and “large” chinook salmon harvested in sport fisheries in southcentral Alaska, as reported in the Statewide Harvest Survey (Mills 1981-1993).

Statewide Harvest Survey Location	Small	Large
Prince William Sound	< 16 inches	≥ 16 inches
Kenai Peninsula	< 16 inches	≥ 16 inches
Knik Arm	< 16 inches	≥ 16 inches
Anchorage	< 16 inches	≥ 16 inches
West Cook Inlet-West Susitna	< 16 inches	≥ 16 inches
Kodiak	< 20 inches	≥ 20 inches
Alaska Peninsula	< 28 inches	≥ 28 inches

Table 2. Total sport harvest of chinook salmon (numbers) from marine waters of southcentral Alaska, 1980-1992.^a

Year	Small	Large	Total	% Small
1980	0	0	2,593	
1981	365	4,090	4,779	8
1982	1,282	6,559	8,240	16
1983	707	5,913	7,175	10
1984	460	6,867	7,701	6
1985	520	7,117	7,985	7
1986	793	5,002	6,230	13
1987	690	7,642	9,197	8
1988	2,012	16,169	18,624	11
1989	1,446	11,710	13,156	11
1990	931	12,170	13,101	7
1991	1,301	11,788	13,089	10
1992	2,818	16,588	19,406	15

^a Mills 1981-1993.

Table 3. Sport harvest of chinook salmon (numbers) from Prince William Sound, 1980-1992.^a

Year	Westside				Eastside				PWS Total			
	Small ^b	Large ^c	Total	% Small ^b	Small ^b	Large ^c	Total	% Small ^b	Small ^b	Large ^c	Total	% Small ^b
1980			147				121				268	
1981			248				76				324	
1982			210				189				399	
1983			314				241				555	
1984			249				125				374	
1985			66				282				348	
1986			267				168				435	
1987			505				360				865	
1988			207				236				443	
1989 ^d	70	497	567	12	76	450	526	14	146	947	1,093	13
1990	79	62	141	56	40	231	271	15	119	293	412	29
1991	110	290	400	28	12	53	65	18	122	343	465	26
1992	89	570	659	14	44	304	348	13	133	874	1,007	13

^a Mills 1981-1993. See **Appendix A** for specific tables and page numbers.

^b Chinook salmon less than 16 inches.

^c Chinook salmon greater than or equal to 16 inches.

^d Harvest not estimated by size prior to 1989.

Table 4. Sport harvest of chinook salmon (numbers) from Lower Cook Inlet, 1980-1992.^a

Year	Homer Area				Seward Area				Total			
	Small ^b	Large ^c	Total	% Small ^b	Small ^b	Large ^c	Total	% Small ^b	Small ^b	Large ^c	Total	% Small ^b
1980 ^d			431				198				629	
1981	184	961	1,145	16	25	137	162	15	209	1,098	1,307	16
1982	161	1,802	1,963	8	42	293	335	13	203	2,095	2,298	9
1983	241	2,423	2,664	9	10	189	199	5	251	2,612	2,863	9
1984	124	2,605	2,729	5	12	12	24	50	136	2,617	2,753	5
1985	185	957	1,142	16	112	75	187	60	297	1,032	1,329	22
1986	502	938	1,440	35	129	78	207	62	631	1,016	1,647	38
1987	380	2,099	2,479	15	90	543	633	14	470	2,642	3,112	15
1988	1,508	8,258	9,766	15	182	1,874	2,056	9	1,690	10,132	11,822	14
1989	830	3,569	4,399	19	214	762	976	22	1,044	4,331	5,375	19
1990	417	4,548	4,965	8	174	830	1,004	17	591	5,378	5,969	10
1991	453	3,212	3,665	12	166	1,381	1,547	11	619	4,593	5,212	12
1992	1,095	4,646	5,741	19	724	2,201	2,925	25	1,819	6,847	8,666	21

^a Mills 1981-1993. See **Appendix B** for specific tables and page numbers.

^b Chinook salmon less than 16 inches.

^c Chinook salmon greater than or equal to 16 inches.

^d Harvest not estimated by size in 1980.

Table 5. Sport harvest of chinook salmon (numbers) from Upper Cook Inlet, 1980-1992.^a

Year	Small ^b	Large ^c	Total	% Small ^b
1980 ^d			1,636	
1981	38	2,787	2,825	1
1982	0	4,025	4,025	0
1983	131	2,899	3,030	4
1984	175	4,077	4,252	4
1985	198	5,948	6,146	3
1986	162	3,818	3,980	4
1987	184	4,940	5,124	4
1988	291	5,892	6,183	5
1989	168	6,166	6,334	3
1990	159	6,355	6,514	2
1991	481	6,677	7,158	7
1992	689	8,249	8,938	8

^a Mills 1981-1993. See **Appendix C** for specific tables and page numbers.

^b Chinook salmon less than 16 inches.

^c Chinook salmon greater than or equal to 16 inches.

^d Harvest not estimated by size in 1980.

Table 6. Sport harvest of chinook salmon (numbers) from Kodiak, 1980-1992.^a

Year	Small ^b	Large ^c	Total	% Small ^b
1980 ^d			60	
1981	0	194	194	0
1982	42	125	167	25
1983	94	140	234	40
1984	74	136	210	35
1985	25	137	162	15
1986	0	168	168	0
1987	36	18	54	67
1988	0	145	145	0
1989	36	84	120	30
1990	22	44	66	33
1991	79	119	198	40
1992	53	532	585	9

^a Mills 1981-1993. See **Appendix D** for specific tables and page numbers.

^b Chinook salmon less than 20 inches.

^c Chinook salmon greater than or equal to 20 inches.

^d Harvest not estimated by size in 1980.

Table 7. Sport harvest of chinook salmon (numbers) from the Alaska Peninsula, 1980-1992.^a

Year	Small ^b	Large ^c	Total	% Small ^b
1980 ^d			0	
1981	118	11	129	91
1982	1,037	314	1,351	77
1983	231	262	493	47
1984	75	37	112	67
1985	0	0	0	---
1986	0	0	0	---
1987	0	42	42	0
1988	31	0	31	100
1989	52	182	234	22
1990	40	100	140	29
1991	0	56	56	0
1992	124	86	210	59

^a Mills 1981-1993. See **Appendix E** for specific tables and page numbers.

^b Chinook salmon less than 28 inches.

^c Chinook salmon greater than or equal to 28 inches.

^d Harvest not estimated by size in 1980.

Table 8. Total numbers of chinook salmon harvested in all state managed commercial salmon fisheries in marine waters of southcentral Alaska, 1980-1993.

Year	Prince William Sound	Cook Inlet	Kodiak	Chignik	South Peninsula	Total
1980	8,643	14,222	529	2,344	4,794	30,532
1981	20,782	13,326	1,418	2,694	11,182	49,402
1982	47,871	21,936	1,214	5,236	9,845	86,102
1983	53,879	21,507	3,839	5,488	26,571	111,284
1984	39,914	10,776	4,661	4,318	9,198	68,867
1985	43,529	25,097	4,970	1,880	6,642	82,118
1986	42,140	40,049	4,381	3,037	5,589	95,196
1987	42,050	40,619	4,613	2,651	9,174	99,107
1988	31,805	31,775	22,394	7,296	11,075	103,345
1989	32,006	28,985	106	3,542	7,065	71,704
1990	22,163	17,671	18,806	9,901	16,522	85,063
1991	35,355	14,967	22,234	3,288	7,975	83,819
1992	41,306	20,188	24,299	10,832	8,026	104,651
1993	32,005	22,617	42,199	19,515	14,413	130,749

Data Source: Data taken from State of Alaska, Department of Fish and Game, Commercial Fisheries Management and Development Division, Fish Ticket Database Reporting System Reports dated 4/20/94 (File T03936.PRN, T03933.PRN, T03934.PRN, T03929.PRN, T03930.PRN, T03931.PRN, and T03932.PRN).

Table 9. Estimated harvest of chinook salmon (numbers of fish and mean weight in pounds) taken in commercial gill net fisheries in the Coghill, Eshamy, and Unakwik districts of the Prince William Sound Area, 1980-1993.

Year	Coghill District Drift Gill Net District 223		Eshamy District Drift Gill Net District 225		Eshamy District Set Gill Net District 225		Unakwik District Drift Gill Net District 229		Total	
	Number	Wt.	Number	Wt.	Number	Wt.	Number	Wt.	Number	Wt.
1980	107	10.7	0	-	0	-	0	-	107	10.7
1981	152	9.1	0	-	0	-	0	-	152	9.1
1982	127	14.0	0	-	0	-	0	-	128 ^a	14.1
1983	340	10.2	1	28.0	1	42.0	0	-	345 ^b	10.5
1984	431	16.9	1	7.0	1	10.0	0	-	465 ^c	16.9
1985	378	14.6	1	6.0	1	11.0	0	-	406 ^d	14.8
1986	617	12.9	0	-	9	18.2	0	-	643 ^e	13.3
1987	357	13.0	2	11.0	34	13.8	0	-	396 ^f	13.1
1988	508	11.8	94	15.2	101	15.2	0	-	718 ^g	12.7
1989	364	16.5	0	-	0	-	31	17.5	395	16.6
1990	126	14.3	111	14.7	56	12.9	3	9.0	296	14.1
1991	93	16.0 ^h	107	15.6	76	15.2	13	11.5	289	15.4
1992	242	16.4	163	12.9	101	12.6	3	12.0	509	14.5
1993	577	16.1	14	12.9	55	15.9	5	19.2	651	16.1

Data Source: Data taken from a State of Alaska, Department of Fish and Game, Commercial Fisheries Management and Development Division, Fish Ticket Database Reporting System Report dated 4/20/94 (File T03936.PRN).

Data Notes:

- ^a One chinook salmon (weight = 27 lb) was caught in the Northern District with a drift gill net in 1982.
- ^b Three chinook salmon (mean weight = 23.7 lb) were caught in the Northern District with drift gill net gear in 1983.
- ^c Twenty-nine chinook salmon (mean weight = 17.9 lb) were caught in the Northern District with drift gill net gear in 1984; three chinook salmon (mean weight = 8.3 lb) were caught in the Northwestern District with drift gill net gear in 1984.
- ^d Twenty-six chinook salmon (mean weight = 17.4 lb) were caught in the Northern District with drift gill net gear in 1985.
- ^e Five chinook salmon (mean weight = 17.6 lb) were caught in the Northern District with drift gill net gear in 1986; twelve chinook salmon (mean weight = 27.7 lb) were caught in the Northwestern District with set gill net gear in 1986.
- ^f Two chinook salmon (mean weight = 14.0 lb) were caught in the Northern District with drift gill net gear in 1987; one chinook salmon (weight = 8.0 lb) was caught in the Southeastern District with drift gill net gear in 1987.
- ^g Fifteen chinook salmon (mean weight = 11.1 lb) were caught in the Northern District with drift gill net gear in 1988.
- ^h One chinook salmon (weight = 8.0 lb) was caught in the Coghill District in 1991 with unknown gear; the fish is assumed to have been caught with drift gill net gear and was added to the recorded drift gill net harvest of 92 chinook salmon (mean weight = 16.04 lb).

Table 10. Estimated harvest of chinook salmon (numbers of fish and mean weight in pounds) taken in commercial purse seine fisheries in the Prince William Sound Area, 1980-1993.

Year	Eastern District District 221		Northern District District 222		Coghill District District 223		Northwest District District 224		Southwest District District 226		Total	
	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.	No.	Wt.
1980	24	20.2	2	18.0	0	-	0	-	34	18.2	82 ^a	19.7
1981	75	17.3	53	7.4	1	50.0	22	10.1	72	18.9	252 ^b	15.9
1982	56	11.6	5	15.4	23	11.2	11	18.5	29	19.0	127 ^c	14.1
1983	58	18.6	137	12.8	0	-	15	16.9	34	18.1	320 ^d	17.9
1984	26	19.5	1	16.0	0	-	18	15.7	32	13.6	80 ^e	16.7
1985	281	14.3	69	19.7	85	12.9	91	16.6	93	18.0	694 ^f	16.1
1986	370	11.7	24	7.4	186	8.3	29	9.1	90	9.4	699	10.2
1987	193	12.6	56	9.1	58	9.9	83	10.0	85	12.7	489 ^g	11.9
1988	104	13.1	64	9.0	63	9.8	18	9.9	77	12.4	327 ^h	11.5
1989	552	16.9	86	12.1	61	8.9	4	9.0	0	-	708 ⁱ	15.5
1990	61	14.7	36	8.2	2	8.5	2	10.0	16	14.3	117	12.5
1991	129	11.3	7	9.0	11	11.0	0	-	9	10.0	156	11.1
1992	3	10.3	5	7.2	855	18.6	0	-	103	11.6	966	17.8
1993	5	15.4	1	4.0	1,478	14.7	0	-	12	17.5	1,496	14.7

Data Source: Data taken from a State of Alaska, Department of Fish and Game, Commercial Fisheries Management and Development Division, Fish Ticket Database Reporting System Report dated 4/20/94 (File T03936.PRN).

Data Notes:

- ^a In 1980, 22 chinook salmon were caught in the Southeastern District (mean weight = 21.6 lb).
- ^b In 1981, 29 chinook salmon were caught in the Southeastern District (mean weight = 24.0 lb).
- ^c In 1982, three chinook salmon were caught in the Southeastern District (mean weight = 24.0 lb).
- ^d In 1983, 73 chinook salmon were caught in the Southeastern District (mean weight = 27.3 lb); and three chinook salmon were caught in the Montague District (mean weight = 13.3 lb).
- ^e In 1984, three chinook salmon were caught in the Southeastern District (mean weight = 31.0 lb).
- ^f In 1985, 58 chinook salmon were caught in the Southeastern District (mean weight = 18.7 lb); and 17 chinook salmon were caught in the Montague District (mean weight = 26.8 lb).
- ^g In 1987, 10 chinook salmon were caught in the Southeastern District (mean weight = 30.3 lb); and four chinook salmon were caught in the Montague District (mean weight = 21.0 lb).
- ^h In 1988, one chinook salmon (54 lb) was caught in the Southeastern District.
- ⁱ In 1989, five chinook salmon were caught in the Southeastern District (mean weight = 9.0 lb).

Table 11. Estimated harvest of chinook salmon (numbers of fish and mean weight in pounds) taken in commercial drift gill net fisheries in the Bering River and Copper River districts of the Prince William Sound Area, 1980-1993.

	Bering River District (District 200)		Copper River District (District 212)		Districts Combined	
	Number	Mean Wt.	Number	Mean Wt.	Number	Mean Wt.
1980	0	-	8,454	29.2	8,454	29.2
1981	200	17.0	20,178	26.1	20,378	26.0
1982	254	18.7	47,362	26.2	47,616	26.1
1983	714	15.8	52,500	26.0	53,214	25.9
1984	377	21.2	38,957	29.3	39,334	29.2
1985	215	20.9	42,214	27.9	42,429	27.8
1986	128	24.0	40,670	26.3	40,798	26.3
1987	34	27.5	41,131 ^a	27.5	41,165	27.5
1988	19	25.8	30,741	26.8	30,760	26.8
1989	30	23.3	30,873 ^b	26.6	30,903	26.6
1990	14	25.3	21,736 ^c	25.9	21,750	25.9
1991	28	21.3	34,882	22.7	34,910	22.7
1992	21	19.8	39,810	25.1	39,831	25.1
1993	130	20.8	29,728	21.5	29,858	21.5

Data Source: Data taken from a State of Alaska, Department of Fish and Game, Commercial Fisheries Management and Development Division, Fish Ticket Database Reporting System Report dated 4/20/94 (File T03936.PRN).

Data Notes:

- ^a One 47 lb chinook salmon was listed without a district designation in 1987; the fish was added to the reported catch for the Copper District; four chinook were reportedly caught with ring net gear in 1987 in the Copper River District (mean weight = 31.0 lb) and these four fish were also included in the reported drift gill net harvest of 41,126 fish (mean weight = 27.5 lb).
- ^b Ten chinook salmon were harvested with purse seine gear in 1989 in the Copper River District (mean weight = 25.8 lb). These fish were added to the reported drift gill net harvest of 30,863 chinook salmon (mean weight = 26.6 lb).
- ^c Two chinook salmon were caught in the Copper District in 1990 (mean weight = 31.0 lb) and gear was not recorded; they were assumed to have been caught with drift gill net gear and were added to the recorded drift gill net harvest of 21,734 chinook salmon (mean weight = 25.9 lb).

Table 12. Estimated harvest of chinook salmon (numbers of fish and mean weight in pounds) taken in all commercial salmon fisheries in the Prince William Sound Area, 1980-1993.

Year	Copper/Bering Districts Gill Nets		PWS Districts Gill Nets		PWS Districts Purse Seines		Totals	
	Number	Wt.	Number	Wt.	Number	Wt.	Number	Wt.
1980	8,454	29.2	107	10.7	82	19.7	8,643	28.8
1981	20,378	26.0	152	9.1	252	15.9	20,782	25.7
1982	47,616	26.1	128	14.1	127	14.1	47,871	26.1
1983	53,214	25.9	345	10.5	320	17.9	53,879	25.7
1984	39,334	29.2	465	16.9	80	16.7	39,914 ^a	29.0
1985	42,429	27.8	406	14.8	694	16.1	43,529	27.5
1986	40,798	26.3	643	13.3	699	10.2	42,140	25.8
1987	41,165	27.5	396	13.1	489	11.9	42,050	27.1
1988	30,760	26.8	718	12.7	327	11.5	31,805	26.3
1989	30,903	26.6	395	16.6	708	15.5	32,006	26.3
1990	21,750	25.9	296	14.1	117	12.5	22,163	25.7
1991	34,910	22.7	289	15.4	156	11.1	35,355	22.6
1992	39,831	25.1	509	14.5	966	17.8	41,306	24.7
1993	29,858	21.5	651	16.1	1,496	14.7	32,005	21.1

Data Source: Data taken from a State of Alaska, Department of Fish and Game, Commercial Fisheries Management and Development Division, Fish Ticket Database Reporting System Report dated 4/20/94 (File T03936.PRN).

Data Notes:

^a In 1984, 35 chinook salmon were caught with troll gear in the Montague District (mean weight = 25.5 lb).

Table 13. Estimated harvest of chinook salmon (numbers of fish and mean weight in pounds) taken in commercial purse seine fisheries in Lower Cook Inlet, 1980-1993.

Year	Eastern District Purse Seines District 231		Outer District Purse Seines District 232		Southern District Purse Seines District 241		Kamishak District Purse Seines District 249		Total	
	Number	Wt.	Number	Wt.	Number	Wt.	Number	Wt.	Number	Wt.
1980	0	-	10	7.7	189	5.2	0	-	199	5.3
1981	0	-	61	13.6	802	3.9	1	17.0	864	4.6
1982	0	-	129	12.6	32	13.0	11	3.5	172	12.1
1983	0	-	14	44.1	36	12.8	1	20.0	51	21.5
1984	47	5.3	3	7.0	22	11.9	3	22.7	75	8.0
1985	11	1.3	19	6.4	49	9.9	6	27.0	85	9.2
1986	0	-	6	10.7	31	11.9	14	13.4	51	12.1
1987	0	-	14	8.4	505	9.6	7	20.8	526	9.7
1988	1	18.0	5	17.6	510	11.6	33	27.2	549	12.6
1989	0	-	1	5.0	608	11.3	3	19.3	612	11.3
1990	0	-	2	17.0	185	13.0	12	13.7	199	13.1
1991	1	6.0	2	18.0	556	6.4	17	15.0	576	6.7
1992	0	-	0	-	564	9.5	39	14.7	603	9.8
1993	0	-	2	20.0	1,073	8.6	4	13.3	1,079	8.6

Data Source: Data taken from a State of Alaska, Department of Fish and Game, Commercial Fisheries Management and Development Division, Fish Ticket Database Reporting System Report dated 4/20/94 (File T03933.PRN & T03934.PRN).

Table 14. Estimated harvest of chinook salmon (numbers of fish and mean weight in pounds) taken in commercial drift gill net fisheries in Upper Cook Inlet, 1980-1993.

Year	Drift Gill Net Fisheries East Side of Central District (244)		Drift Gill Net Fisheries West Side of Central District (245)		Total Drift Gill Net Fisheries Central District	
	Number	Wt.	Number	Wt.	Number	Wt.
1980	656	21.1	233	23.1	889	21.6
1981	1,244	19.1	1,080	9.0	2,320	14.4
1982	1,008	26.4	285	19.0	1,293	24.8
1983	916	24.0	208	20.1	1,124	23.3
1984	298	22.9	1,079	9.0	1,377	12.0
1985	1,649	24.7	399	20.3	2,048	23.9
1986	1,419	24.7	415	16.3	1,834	22.8
1987	4,290	32.4	262	17.8	4,552	31.6
1988	2,173 ^a	34.2	65	21.6	2,238	33.8
1989	6	10.0	1	6.0	7	9.6
1990	433	16.8	188	13.3	621	15.8
1991	198	17.4	51	13.9	249	16.7
1992	543	16.3	75	12.3	618	15.8
1993	671	22.7	98	15.5	769	21.8

Data Source: Data taken from a State of Alaska, Department of Fish and Game, Commercial Fisheries Management and Development Division, Fish Ticket Database Reporting System Report dated 4/20/94 (File T03933.PRN & T03934.PRN).

Data Notes:

- ^a In 1988, one chinook salmon was taken with drift gill nets in an unspecified fishing district (weight = 10.0 lb); the fish was included with harvests in District 244.

Table 15. Total estimated harvest of chinook salmon (numbers of fish and mean weight in pounds) taken in commercial set gill net fisheries in Upper and Lower Cook Inlet, 1980-1993.

Year	Lower Cook Inlet		Upper Cook Inlet		Cook Inlet Total	
	Number	Wt.	Number	Wt.	Number	Wt.
1980	225	35.7	12,909	26.5	13,134	26.6
1981	222	17.7	9,920	25.9	10,142	25.7
1982	894	22.6	19,579	29.1	20,471	28.8
1983	822	22.9	19,510	30.3	20,332	29.6
1984	639	31.2	8,685	31.2	9,324	31.2
1985	924	30.2	22,040	28.0	22,964	28.1
1986	745	21.2	37,419 ^a	26.1	38,164	26.0
1987	653	24.8	34,880 ^b	28.7	35,541	28.6
1988	1,145	16.6	26,843	29.3	27,988	28.8
1989	1,281	15.5	27,085 ^c	23.7	28,366	23.6
1990	1,361	13.8	15,490 ^d	22.9	16,851	22.1
1991	843	16.1	13,299	21.6	14,142	21.2
1992	1,288	13.5	17,679	23.9	18,967	23.2
1993	1,089	15.4	18,084	27.7	19,173	27.0

Data Source: Data taken from a State of Alaska, Department of Fish and Game, Commercial Fisheries Management and Development Division, Fish Ticket Database Reporting System Report dated 4/20/94 (File T03933.PRN & T03934.PRN).

Data Notes:

- ^a In 1986, seven chinook salmon were taken in District 244 without gear being recorded (mean weight = 19.6 lb) and two chinook salmon were taken in District 245 without gear being recorded (mean weight = 14.5 lb); in both cases these fish were included with set net harvests.
- ^b In 1987, nine chinook salmon were taken in District 244 without gear being recorded (mean weight = 32.9 lb); these fish were included with set net harvests.
- ^c In 1989, 335 chinook salmon were taken in District 244 without gear being recorded (mean weight = 30.9 lb) and one chinook salmon was taken in District 245 without gear being recorded (weight = 24.0 lb); in both cases these fish were included with set net harvests.
- ^d In 1990, six chinook salmon were taken in District 244 without gear being recorded (mean weight = 14.0 lb); these fish were included with set net harvests.

Table 16. Estimated harvest of chinook salmon (numbers of fish and mean weight in pounds) taken in commercial set gill net fisheries in Cook Inlet, by district, 1980-1993.

Year	Upper Cook Inlet								Lower Cook Inlet	
	East Central District 244		West Central District 245		Kalgin Is. District 246		Northern District 247		Southern District 241	
	Number	Wt.	Number	Wt.	Number	Wt.	Number	Wt.	Number	Wt.
1980	9,643	27.4	1,532	30.5	741	19.2	993	16.6	225	35.7
1981	8,358	27.0	662	22.3	175	33.5	725	15.6	222	17.7
1982	13,658	31.7	1,151	26.2	1,052	21.7	2,716	20.7	894	22.6
1983	15,043	32.3	2,015	24.6	1,519	19.6	933	18.7	822	22.9
1984	6,165	33.3	1,080	29.0	436	28.9	1,004	22.2	639	31.2
1985	17,723	29.2	1,780	27.3	647	23.8	1,890	18.6	924	30.2
1986	19,821	30.5	1,562	26.8	548	24.9	15,488	20.3	745	21.2
1987	21,159	33.8	515	26.3	514	25.8	12,700	20.2	653	24.8
1988	12,859	36.0	773	25.9	375	33.4	12,836	22.8	1,145	16.6
1989	11,261	29.8	2,429	24.5	664	17.7	12,731	19.3	1,281	15.5
1990	4,145	27.5	1,662	24.6	101	20.6	9,582	20.6	1,361	13.8
1991	4,893	25.8	1,476	21.7	71	21.5	6,859	18.5	843 ^a	16.1
1992	11,841	26.0	1,219	23.8	65	24.7	4,554	18.4	1,288	13.5
1993	14,087	29.8	654	25.7	66	24.0	3,277	19.3	1,089	15.4

Data Source: Data taken from a State of Alaska, Department of Fish and Game, Commercial Fisheries Management and Development Division, Fish Ticket Database Reporting System Report dated 4/20/94 (File T03933.PRN & T03934.PRN).

Data Notes:

^a In 1991, one chinook salmon was taken in District 241 without gear being recorded (weight = 21.0 lb); this fish was included with set gill net harvests.

Table 17. Estimated harvest of chinook salmon (numbers of fish and mean weight in pounds) taken in all commercial salmon fisheries in Cook Inlet, 1980-1993.

Year	Drift Gill Net Fisheries		Set Gill Net Fisheries		Purse Seine Fisheries		All Commercial Salmon Fisheries	
	Number	Wt.	Number	Wt.	Number	Wt.	Number	Wt.
1980	889	21.6	13,134	26.6	199	5.3	14,222	26.0
1981	2,320	14.4	10,142	25.7	864	4.6	13,326	22.4
1982	1,293	24.8	20,471	28.8	172	12.1	21,936	28.4
1983	1,124	23.3	20,332	29.6	51	21.5	21,507	29.2
1984	1,377	12.0	9,324	31.2	75	8.0	10,776	28.6
1985	2,048	23.9	22,964	28.1	85	9.2	25,097	27.7
1986	1,834	22.8	38,164	26.0	51	12.1	40,049	25.8
1987	4,552	31.6	35,541	28.6	526	9.7	40,619	28.7
1988	2,238	33.8	27,988	28.8	549	12.6	30,775	28.9
1989	7	9.6	28,366	23.6	612	11.3	28,985	23.5
1990	621	15.8	16,851	22.1	199	13.1	17,671	21.8
1991	249	16.7	14,142	21.2	576	6.7	14,967	20.6
1992	618	15.8	18,967	23.2	603	9.8	20,188	22.5
1993	769	21.8	19,173	27.0	1,079	8.6	22,617 ^a	24.4

Data Source: Data taken from a State of Alaska, Department of Fish and Game, Commercial Fisheries Management and Development Division, Fish Ticket Database Reporting System Report dated 4/20/94 (File T03933.PRN & T03934.PRN).

Data Notes:

^a In 1993, 1,596 chinook salmon with a mean weight of 5.3 lb were harvested with the aid of a weir in District 244; these fish are included in the total column only.

Table 18. Estimated harvest of chinook salmon (numbers of fish and mean weight in pounds), by gear type, taken in commercial salmon fisheries in all districts of the Kodiak Area, 1980-1993.

Year	Set Gill Nets		Beach Seines		Purse Seines		All Gear	
	Number	Wt.	Number	Wt.	Number	Wt.	Number	Wt.
1980	257	14.6	6	19.5	266	20.7	529	17.7
1981	245	18.5	23	10.1	1,150	18.8	1,418	18.6
1982	312	12.4	7	8.0	895	13.1	1,214	12.9
1983	721	11.6	22	18.2	3,096	13.2	3,839	12.9
1984	699	20.2	32	14.8	3,930	21.6	4,661	21.3
1985	377	20.4	23	23.3	4,570	19.2	4,970	19.3
1986	318	16.6	21	23.6	4,042	15.1	4,381	15.3
1987	229	14.3	4	13.5	4,380	12.7	4,613	12.8
1988	1,133	17.4	75	17.5	21,186	13.0	22,394	13.2
1989	106	19.2	0	-	0	-	106	19.2
1990	1,218	12.1	38	16.9	17,550	12.2	18,806	12.2
1991	1,225	12.2	29	13.0	20,980	12.1	22,234	12.1
1992	3,444	12.2	201	19.3	20,654	14.6	24,299	14.3
1993	4,315	11.5	82	21.1	37,802	11.9	42,199	11.9

Data Source: Data taken from a State of Alaska, Department of Fish and Game, Commercial Fisheries Management and Development Division, Fish Ticket Database Reporting System Report dated 4/20/94 (File T03903.PRN).

Table 19. Estimated harvest of chinook salmon (numbers of fish and mean weight in pounds) taken in commercial purse seine fisheries in districts 251-255 of the Kodiak Area, 1980-1993.

Year	District 251		District 252		District 253		District 254		District 255	
	Number	Wt.	Number	Wt.	Number	Wt.	Number	Wt.	Number	Wt.
1980	10	27.3	11	25.5	36	20.0	8	17.6	54	17.1
1981	73	14.2	51	17.4	111	12.9	26	17.5	0	-
1982	28	9.0	30	9.5	139	13.7	35	14.0	67	12.9
1983	101	13.8	289	8.5	287	13.1	378	9.4	125	6.1
1984	76	20.4	31	14.6	751	19.2	205	18.6	175	24.2
1985	23	18.4	44	14.9	436	15.7	306	16.6	14	14.1
1986	120	8.6	20	18.0	341	13.8	219	13.5	633	13.1
1987	84	14.0	71	14.9	143	22.4	375	7.6	315	12.3
1988	2,166	15.4	76	20.4	3,151	13.0	1,559	15.5	64	18.9
1989	0	-	0	-	0	-	0	-	0	-
1990	812	13.0	209	12.3	2,721	11.2	1,023	11.0	48	15.4
1991	765	9.2	324	12.2	1,439	11.5	2,059	10.8	44	16.2
1992	2,475	11.9	552	12.3	2,697	13.8	2,129	12.4	449	14.1
1993	5,212	11.1	986	9.5	2,435	13.2	2,058	11.6	3,183	14.5

Data Source: Data taken from a State of Alaska, Department of Fish and Game, Commercial Fisheries Management and Development Division, Fish Ticket Database Reporting System Report dated 4/20/94 (File T03903.PRN).

Table 20. Estimated harvest of chinook salmon (numbers of fish and mean weight in pounds) taken in commercial purse seine fisheries in districts 256-259 and 262 of the Kodiak Area, 1980-1993.

Year	District 256		District 257		District 258		District 259		District 262	
	Number	Wt.	Number	Wt.	Number	Wt.	Number	Wt.	Number	Wt.
1980	34	27.4	27	29	39	23.1	42	12.6	5	4.8
1981	469	21.5	39	20.6	55	24.6	137	19.0	189	16.5
1982	276	14.9	30	22.1	26	24.0	155	6.8	109	13.1
1983	662	20.1	137	22.2	130	16.1	491	8.2	496	13.2
1984	1,730	23.0	253	22.9	30	27.6	233	18.1	446	21.7
1985	3,128	20.1	152	22.8	54	24.4	90	18.0	323	16.8
1986	2,065	16.2	111	22.1	43	22.1	199	12.5	291	15.4
1987	1,112	20.2	93	24.5	216	9.6	248	8.3	1,723 ^a	8.5
1988	3,859	17.3	558	22.1	314	20.9	1,837	13.5	7,602	8.4
1989	0	-	0	-	0	-	0	-	0	-
1990	6,395	15.4	666	17.3	1,476	8.0	518	11.1	3,682	8.3
1991	6,198	16.7	740	15.6	4,153	9.1	753	9.9	4,505	9.7
1992	5,906	18.2	962	19.1	1,665	15.2	971	13.5	2,848	10.9
1993	4,540	12.4	1,646	17.8	6,787	10.7	1,809	10.3	9,146	11.6

Data Source: Data taken from a State of Alaska, Department of Fish and Game, Commercial Fisheries Management and Development Division, Fish Ticket Database Reporting System Report dated 4/20/94 (File T03903.PRN).

Data Notes:

- ^a In 1987, one chinook salmon (weight = 37.0 lb) was taken with purse seine gear and the district was not recorded on the fish ticket; this fish was included with the harvest in district 262.

Table 21. Estimated harvest of chinook salmon (numbers of fish and mean weight in pounds) taken in commercial set gill net fisheries in districts 252-255 of the Kodiak Area, 1980-1993.

Year	District 252 ^a		District 253		District 254		District 255	
	Number	Wt.	Number	Wt.	Number	Wt.	Number	Wt.
1980	12	17.9	50	21.9	189	12.5	0	-
1981	12	19.1	86	16.2	141	19.6	0	-
1982	0	-	81	15.6	3	9.7	0	-
1983	9	9.3	188	12.5	483	11.1	0	-
1984	0	-	334	21.1	331	19.0	0	-
1985	2	18.0	164	19.7	170	21.5	0	-
1986	0	-	113	16.3	178	16.2	0	-
1987	0	-	63	19.0	151	11.6	1	15.0
1988	0	-	476	17.0	539	17.0	3	11.3
1989	0	-	0	-	0	-	0	-
1990	0	-	31	17.2	0	-	0	-
1991	0	-	660	11.3	471	12.4	0	-
1992	0	-	1,855	12.1	1,477	11.9	0	-
1993	0	-	2,099	12.1	1,975	10.3	0	-

^a Harvests recorded for District 252 may be purse seine harvests (Bruce Barrett and Dave Prokopowich, Alaska Department of Fish and Game, Commercial Fisheries Management and Development Division, Kodiak, personal communication, 8/9/94).

Data Source: Data taken from a State of Alaska, Department of Fish and Game, Commercial Fisheries Management and Development Division, Fish Ticket Database Reporting System Report dated 4/20/94 (File T03903.PRN).

Table 22. Estimated harvest of chinook salmon (numbers of fish and mean weight in pounds) taken in commercial set gill net fisheries in districts 256-262 of the Kodiak Area, 1980-1993.

Year	District 256		District 257		District 258		District 259		District 262	
	Number	Wt.	Number	Wt.	Number	Wt.	Number	Wt.	Number	Wt.
1980	0	-	6	12.3	0	-	0	-	0	-
1981	0	-	6	25.3	0	-	0	-	0	-
1982	1	5.0	13	17.7	0	-	0	-	0	-
1983	0	-	19	20.8	0	-	22	8.3	0	-
1984	0	-	32	22.6	0	-	2	26.5	0	-
1985	0	-	41	18.5	0	-	0	-	0	-
1986	0	-	23	19.6	0	-	4	23.5	0	-
1987	0	-	12	22.3	0	-	2	9.0	0	-
1988	0	-	67	23.1	0	-	48	17.1	0	-
1989	0	-	106	19.2	0	-	0	-	0	-
1990	0	-	140	20.6	0	-	3	35.3	0	-
1991	0	-	81	17.8	0	-	13	13.6	0	-
1992	0	-	92	20.0	0	-	20	24.6	0	-
1993	0	-	182	16.7	0	-	59	16.0	0	-

Data Source: Data taken from a State of Alaska, Department of Fish and Game, Commercial Fisheries Management and Development Division, Fish Ticket Database Reporting System Report dated 4/20/94 (File T03903.PRN).

Table 23. Estimated harvest of chinook salmon (numbers of fish and mean weight in pounds) taken in commercial beach seine fisheries in districts 251-255 of the Kodiak Area, 1980-1993.

Year	District 251		District 252		District 253		District 254		District 255	
	Number	Wt.	Number	Wt.	Number	Wt.	Number	Wt.	Number	Wt.
1980	0	-	0	-	0	-	4	20.0	1	30.0
1981	0	-	2	8.0	2	25.0	1	30.0	0	-
1982	0	-	0	-	0	-	3	9.7	0	-
1983	0	-	0	-	1	40.0	8	11.3	0	-
1984	0	-	0	-	6	19.2	6	12.7	0	-
1985	0	-	0	-	2	18.5	15	22.8	0	-
1986	0	-	0	-	14	25.5	3	35.0	4	8.3
1987	0	-	0	-	1	19.0	2	15.0	0	-
1988	0	-	1	28.0	5	14.4	18	21.8	2	20.0
1989	0	-	0	-	0	-	0	-	0	-
1990	0	-	0	-	31	17.2	0	-	0	-
1991	0	-	1	2.0	9	15.9	10	12.4	0	-
1992	0	-	3	22.7	23	12.6	17	14.6	0	-
1993	0	-	0	-	2	15.5	79	20.7	0	-

Data Source: Data taken from a State of Alaska, Department of Fish and Game, Commercial Fisheries Management and Development Division, Fish Ticket Database Reporting System Report dated 4/20/94 (File T03903.PRN).

Table 24. Estimated harvest of chinook salmon (numbers of fish and mean weight in pounds) taken in commercial beach seine fisheries in districts 256-259 and 262 of the Kodiak Area, 1980-1993.

Year	District 256		District 257		District 258		District 259		District 262	
	Number	Wt.	Number	Wt.	Number	Wt.	Number	Wt.	Number	Wt.
1980	1	7.0	0	-	0	-	0	-	0	-
1981	5	25.2	0	-	0	-	13	2.7	0	-
1982	0	-	0	-	0	-	4	6.7	0	-
1983	0	-	3	23.3	0	-	10	20.0	0	-
1984	0	-	5	25.4	2	8.5	13	10.7	0	-
1985	0	-	6	26.0	0	-	0	-	0	-
1986	0	-	0	-	0	-	0	-	0	-
1987	0	-	0	-	0	-	1	5.0	0	-
1988	2	24.5	0	-	1	30.0	46	15.3	0	-
1989	0	-	0	-	0	-	0	-	0	-
1990	0	-	1	12.0	0	-	5	18.2	1	8.0
1991	0	-	0	-	0	-	9	12.1	0	-
1992	0	-	2	20.0	108	21.0	48	20.3	0	-
1993	0	-	0	-	0	-	1	56.0	0	-

Data Source: Data taken from a State of Alaska, Department of Fish and Game, Commercial Fisheries Management and Development Division, Fish Ticket Database Reporting System Report dated 4/20/94 (File T03903.PRN).

Table 25. Estimated harvest of chinook salmon (numbers of fish and mean weight in pounds) taken in all commercial salmon fisheries (all purse seine) in the Chignik Area, 1980-1993.

Year	Chignik Bay District District 271		Central/ Eastern Districts District 272		Western District District 273		Perryville District District 275		Total	
	Number	Wt.	Number	Wt.	Number	Wt.	Number	Wt.	Number	Wt.
1980	929	21.5	317	13.7	739	6.5	359	8.8	2,344	13.8
1981	2,006	19.4	490	17.5	99	18.0	99	16.7	2,694	18.9
1982	3,269	13.9	79	18.4	1,354	6.6	534	7.4	5,236	11.4
1983	3,560	22.5	421	13.0	1,390	6.8	117	9.4	5,488	17.5
1984	3,696	25.2	135	21.1	487	7.4	0	-	4,318	23.0
1985	1,802	23.9	57	19.8	21	18.0	0	-	1,880	23.7
1986	2,592	23.4	72	21.1	350	11.9	23	16.3	3,037	22.0
1987	1,931	22.2	66	21.2	512	7.3	142	10.7	2,651	18.7
1988	4,331	22.2	1,284	14.0	1,216	8.8	465	8.4	7,296	17.7
1989	3,532	21.6	10	20.7	0	-	0	-	3,542	21.6
1990	3,719	21.7	2,350	11.9	3,190	6.4	642	7.6	9,901	13.6
1991	2,127 ^a	23.6	940	17.6	197	13.0	24	15.9	3,288	21.2
1992	3,181 ^b	21.3	2,191	14.3	4,300	6.6	1,160	9.1	10,832	12.7
1993	5,240	16.4	9,433	10.6	3,113 ^c	9.3	1,729	11.5	19,515	12.0

Data Source: Data taken from a State of Alaska, Department of Fish and Game, Commercial Fisheries Management and Development Division, Fish Ticket Database Reporting System Report dated 4/20/94 (File T03929.PRN & T03930.PRN).

Data Notes:

- ^a In 1991, three chinook salmon were taken in District 271 without gear being recorded (mean weight = 12.3 lb); these fish were included with purse seine harvests.
- ^b In 1992, two chinook salmon were taken in District 271 without gear being recorded (mean weight = 4.0 lb); these fish were included with purse seine harvests.
- ^c In 1993, 14 chinook salmon were taken in District 273 without gear being recorded (mean weight = 4.6 lb); these fish were included with purse seine harvests.

Table 26. Estimated harvest of chinook salmon (numbers of fish and mean weight in pounds), by gear type, taken in all commercial salmon fisheries in the South Peninsula Area, 1980-1993.

Year	Drift Gill Nets		Set Gill Nets		Purse Seines		All Gear	
	Number	Wt.	Number	Wt.	Number	Wt.	Number	Wt.
1980	442	20.6	119	19.0	4,233	19.4	4,794	19.5
1981	1,280	17.7	1,580	8.9	8,322	15.5	11,182	14.8
1982	2,626	20.0	458	18.8	6,761	20.1	9,845	19.9
1983	2,624	14.6	584	17.2	23,363	14.2	26,571	14.3
1984	842	18.5	879	18.3	7,477	17.6	9,198	17.8
1985	1,116	23.2	300	20.4	5,226	23.2	6,612	23.2
1986	497	21.2	321	20.2	4,771	16.7	5,589	17.3
1987	1,107	22.0	342	20.9	7,725	18.6	9,174	19.1
1988	902	19.1	604	19.9	9,569	16.3	11,075	16.7
1989	803	18.5	442	17.4	5,820	18.6	7,065	18.5
1990	4,148	10.2	681	16.0	11,693	16.2	16,522	14.7
1991	1,299	16.6	1,005	14.2	5,671	16.1	7,975	15.9
1992	672	17.4	554	17.2	6,800	15.5	8,026	15.8
1993	1,462	14.3	1,317	12.8	11,634	15.2	14,413	14.9

Data Source: Data taken from a State of Alaska, Department of Fish and Game, Commercial Fisheries Management and Development Division, Fish Ticket Database Reporting System Report dated 4/20/94 (File T03931.PRN & T03932.PRN).

Table 27. Estimated harvest of chinook salmon (numbers of fish and mean weight in pounds) taken in commercial drift gill net fisheries in the South Peninsula Area, 1980-1993.

Year	South-Central District District 283		Southwestern District District 284		Unimak District District 285		Total South Peninsula	
	Number	Wt.	Number	Wt.	Number	Wt.	Number	Wt.
1980	0	-	442	20.6	0	-	442	20.6
1981	1	25.0	1,279	17.7	0	-	1,280	17.7
1982	8	17.6	2,618	20.0	0	-	2,626	20.0
1983	0	-	2,624	14.6	0	-	2,624	14.6
1984	0	-	842	18.5	0	-	842	18.5
1985	0	-	1,116	23.2	0	-	1,116	23.2
1986	0	-	497	21.2	0	-	497	21.2
1987	0	-	1,107	22.0	0	-	1,107	22.0
1988	0	-	902	19.1	0	-	902	19.1
1989	0	-	803	18.5	0	-	803	18.5
1990	0	-	4,148	10.2	0	-	4,148	10.2
1991	0	-	444	16.6	885	16.6	1,299	16.6
1992	0	-	296	17.9	376	17.0	672	17.4
1993	0	-	231	14.4	1,231	14.3	1,462	14.3

Data Source: Data taken from a State of Alaska, Department of Fish and Game, Commercial Fisheries Management and Development Division, Fish Ticket Database Reporting System Report dated 4/20/94 (File T03931.PRN & T03932.PRN).

Table 28. Estimated harvest of chinook salmon (numbers of fish and mean weight in pounds) taken in commercial set gill net fisheries in the South Peninsula Area, 1980-1993.

Year	Southeastern Mainland District District 281		Southeastern District District 282		South-Central District District 283		Southwestern District District 284		Unimak District District 285	
	Number	Wt.	Number	Wt.	Number	Wt.	Number	Wt.	Number	Wt.
1980	41	21.0	8	27.1	60	17.1	10	16.5	0	-
1981	1,157	8.4	20	20.1	66	17.4	337	8	0	-
1982	175	19.5	55	19.2	132	17.0	96	19.6	0	-
1983	217	17.3	56	14.4	202	16.7	109	19.4	0	-
1984	356	19.9	77	16.3	386	16.9	60	20.7	0	-
1985	93	18.8	66	23.2	81	17.4	60	23.7	0	-
1986	120	20.7	76	19.3	76	19.6	49	21.6	0	-
1987	100	18.2	92	21.1	76	21.0	74	24.4	0	-
1988	101	18.0	361	20.1	32	24.6	110	19.6	0	-
1989	106	13.5	155	17.3	67	20.1	114	19.4	0	-
1990	138	13.0	275	17.3	109	13.4	159	18.3	0	-
1991	512	13.3	352	15.0	1	33.0	134	15.7	6	12.5
1992	234	18.1	203	15.9	2	22.5	108	17.7	7	11.4
1993	709	11.4	255	14.7	1	25.0	290	15	62	12.3

Data Source: Data taken from a State of Alaska, Department of Fish and Game, Commercial Fisheries Management and Development Division, Fish Ticket Database Reporting System Report dated 4/20/94 (File T03931.PRN & T03932.PRN).

Table 29. Estimated harvest of chinook salmon (numbers of fish and mean weight in pounds) taken in commercial purse seine fisheries in the South Peninsula Area, 1980-1993.

Year	Southeastern Mainland Dist. District 281		Southeastern District District 282		South-Central District District 283		Southwestern District District 284		Unimak District District 285	
	Number	Wt.	Number	Wt.	Number	Wt.	Number	Wt.	Number	Wt.
1980	20	20.1	1,714	13.3	24	21.9	2,475	21.2	0	-
1981	70	16.4	5,235	13.1	95	19.6	2,922	19.6	0	-
1982	119	10.7	3,468	18.3	132	17.0	96	19.6	0	-
1983	348	10.6	11,768	14.5	1,126	8.1	109	19.4	0	-
1984	85	15.5	4,975	17.1	739	15.0	60	20.7	0	-
1985	18	8.0	2,121	21.8	107	25.6	2,980	24.2	0	-
1986	171	15.1	3,605	15.1	63	18.4	932	23.0	0	-
1987	76	10.1	4,442	15.2	237	13.0	2,970	24.3	0	-
1988	211	15.3	7,533	15.9	422	18.2	1,403	17.8	0	-
1989	656	15.9	2,842 ^a	17.9	588	14.5	1,734	22.3	0	-
1990	422	15.9	6,534 ^b	14.5	424	17.8	4,313	18.5	0	-
1991	551	13.7	2,916 ^c	16.3	201	14.0	426	18.0	1,577	17.5
1992	397	13.0	3,934 ^d	14.8	481	15.0	928	19.2	1,060	16.2
1993	1,055	11.4	7,288 ^e	15.1	114	13.1	601	17.5	2,576	17.0

Data Source: Data taken from a State of Alaska, Department of Fish and Game, Commercial Fisheries Management and Development Division, Fish Ticket Database Reporting System Report dated 4/20/94 (File T03931.PRN & T03932.PRN).

Data Notes:

- ^a In 1989, 56 chinook salmon were taken in District 282 without gear being recorded (mean weight = 10.5 lb); these fish were included with purse seine harvests.
- ^b In 1990, 25 chinook salmon were taken in District 282 without gear being recorded (mean weight = 10.0 lb); these fish were included with purse seine harvests.
- ^c In 1991, 465 chinook salmon were taken in District 282 without gear being recorded (mean weight = 11.7 lb); these fish were included with purse seine harvests.
- ^d In 1992, 93 chinook salmon were taken in District 282 without gear being recorded (mean weight = 11.5 lb); these fish were included with purse seine harvests.
- ^e In 1993, 330 chinook salmon were taken in District 282 without gear being recorded (mean weight = 11.5 lb); these fish were included with purse seine harvests.

Table 30. Estimated bycatch of chinook salmon (numbers of fish) taken in all offshore fisheries (foreign, joint-venture, and domestic) of southcentral Alaska west of Yakutat, 1980-1993.

Year	Shumagin Area Area 610	Chirikov Area Area 620	Kodiak Area Area 630	West Yakutat Area Area 640	Total
1980	17,023	7,718	6,591	356	31,688
1981	8,889	19,002	319	204	28,414
1982	849	3,586	968	5	5,408
1983	2,441	4,348	2,755	0	9,544
1984	3,102	11,307	59,961	0	74,370
1985	479	5,403	8,108	0	13,990
1986	199	1,039	19,521	0	20,759
1987	592	31	138	0	761
1988	1	24	64	0	89
1989	-	-	-	-	-
1990	728	7,752	8,272	125	16,877
1991	4,427	22,603	11,492	195	38,717
1992	4,040	5,439	7,191	40	16,710
1993	1,097	3,720	19,410	305	24,532

Note: comprehensive estimates of the chinook bycatch in the domestic offshore fishery are not available prior to 1990; as a result, the chinook bycatches for the 1980s are underestimated, this is particularly acute during the latter 1980s.

Table 31. Estimated bycatch of chinook salmon (numbers of fish) taken in offshore foreign fisheries of southcentral Alaska west of Yakutat, 1980-1986.

Year	Shumagin Area Area 610	Chirikov Area Area 620	Kodiak Area Area 630	West Yakutat Area Area 640	Total
1980	16,878	7,715	6,591	356	31,540
1981	8,889	19,002	319	204	28,414
1982	849	2,638	896	5	4,388
1983	2,337	3,063	546	0	5,946
1984	2,597	2,575	5,928	0	11,100
1985	234	15	100	0	349
1986	0	0	0	0	0

Data Sources and Notes:

1980-1982 data taken from a published report by Nelson (1983); 1980-1982 foreign fishery catch data were provided for salmon as a group by area; chinook salmon catch composition in the foreign fishery throughout the Gulf of Alaska was estimated at 88.0% in 1980, at 92.6% in 1981, and at 81.0% in 1982; these percentages were applied to annual area specific overall salmon catches to estimate chinook specific catches by area and year.

1983 data taken from a published report by Berger et al. (1984); 1983 foreign fishery catch data were provided for salmon as a group by area; chinook salmon catch composition throughout the Gulf of Alaska was estimated at 61.8%; this percentage was applied to area specific overall salmon catches to estimate chinook specific catches by area.

1984 data taken from a published report by Berger et al. (1985); 1984 foreign fishery catch data were provided for salmon as a group by area; chinook salmon catch composition throughout the Gulf of Alaska was estimated at 92.5%; this percentage was applied to area specific overall salmon catches to estimate chinook specific catches by area.

1985 data taken from a published report by Berger et al. (1987); 1985 foreign fishery catch data were provided for salmon as a group by area; chinook salmon catch composition throughout the Gulf of Alaska was estimated at 95.7%; this percentage was applied to area specific overall salmon catches to estimate chinook specific catches by area.

1986: The foreign fishery ceased operations in the Gulf of Alaska following the 1986 season and in 1986, only long-line gear was fished with no salmon caught.

Table 32. Estimated bycatch of chinook salmon (numbers of fish) taken in joint-venture fisheries of southcentral Alaska west of Yakutat, 1980-1988.

Year	Shumagin Area Area 610	Chirikov Area Area 620	Kodiak Area Area 630	West Yakutat Area Area 640	Total
1980	145	3	0	0	148
1981	0	0	0	0	0
1982	0	948	72	0	1,020
1983	104	1,285	2,209	0	3,598
1984	505	8,732	54,033	0	63,270
1985	245	5,388	8,008	0	13,641
1986	199	1,039	19,521	0	20,759
1987	592	31	138	0	761
1988	1	24	64	0	89

Data Sources and Notes:

1980-1982 data taken from a published report by Nelson (1983); 1980-1982 catch data for joint-venture fisheries were provided for salmon as a group by area; chinook salmon catch composition in the foreign fishery throughout the Gulf of Alaska was estimated at 88.0% in 1980, at 92.6% in 1981, and at 81.0% in 1982; these percentages for the foreign fishery were applied to annual area specific overall salmon catches in the joint-venture fisheries to estimate chinook specific catches by area and year.

1983 data taken from a published report by Berger et al. (1984); 1983 catch data for joint-venture fisheries were provided for salmon as a group by area; chinook salmon catch composition throughout the Gulf of Alaska was estimated at 84.61%; this percentage was applied to area specific overall salmon catches to estimate chinook specific catches by area.

1984 data taken from a published report by Berger et al. (1985); 1984 catch data for joint-venture fisheries were provided for salmon as a group by area; chinook salmon catch composition throughout the Gulf of Alaska was estimated at 99.1%; this percentage was applied to area specific overall salmon catches to estimate chinook specific catches by area.

1985 data taken from a published report by Berger et al. (1987); 1985 catch data for joint-venture fisheries were provided for salmon as a group by area; chinook salmon catch composition throughout the Gulf of Alaska was estimated at 99.3%; this percentage was applied to area specific overall salmon catches to estimate chinook specific catches by area.

1986 data taken from a published report by Berger et al. (1988); 1986 catch data for joint-venture fisheries were provided for salmon as a group by area; chinook salmon catch composition throughout the Gulf of Alaska was estimated at 99.71%; this percentage was applied to area specific overall salmon catches to estimate chinook specific catches by area.

1987 data taken from a published report by Berger and Weikart (1988); 1987 catch data for joint-venture fisheries were provided for salmon as a group by area; chinook salmon catch composition throughout the Gulf of Alaska was estimated at 62.36%; this percentage was applied to area specific overall salmon catches to estimate chinook specific catches by area.

1988 data taken from a published report by Berger and Weikart (1989); 1988 catch data for joint-venture fisheries were provided for salmon as a group by area; chinook salmon catch composition throughout the Gulf of Alaska was estimated at 59.62%; this percentage was applied to area specific overall salmon catches to estimate chinook specific catches by area. Gulf of Alaska joint-venture operations ceased following the 1988 season.

Table 33. Estimated bycatch of chinook salmon (numbers of fish) taken in offshore domestic fisheries of southcentral Alaska west of Yakutat, 1980-1993.

Year	Shumagin Area Area 610	Chirikov Area Area 620	Kodiak Area Area 630	West Yakutat Area Area 640	Total
1980					unknown
1981					unknown
1982					unknown
1983					unknown
1984					unknown
1985					unknown
1986					unknown
1987					unknown
1988					unknown
1989					unknown
1990	728	7,752	8,272	125	16,877
1991	4,427	22,603	11,492	195	38,717
1992	4,040	5,439	7,191	40	16,710
1993	1,097	3,720	19,410	305	24,532

Data Sources and Notes:

1980-1989: comprehensive estimates of the chinook salmon bycatch in the domestic offshore fishery are not available.

1990 data taken from a published report by Guttormsen et al. (1992); 1990 data listed for area 621 were combined with data listed for area 620 and data listed for area 631 were combined with data listed for area 630.

1991 data taken from a draft report by Guttormsen et al. (1994); 1991 data listed for area 621 were combined with data listed for area 620.

1992 and 1993 data were obtained from a NMFS data base query and were provided to the authors by Steven Pennoyer (personal correspondence dated 3/30/94).

Table 34. Estimated mean length (mm) and weight (pounds) of chinook salmon bycatch in offshore foreign fisheries in southcentral Alaska, west of Yakutat, 1980-1985.

Year	Shumagin Area		Chirikov Area		Kodiak Area		West Yakutat Area		Total	
	Area 610		Area 620		Area 630		Area 640			
	Len.	Wt.	Len.	Wt.	Len.	Wt.	Len.	Wt.	Len.	Wt.
1980	-	-	-	-	-	-	-	-	600	7.6
1981	-	-	-	-	-	-	-	-	610	8.0
1982	-	-	-	-	-	-	-	-	630	8.7
1983	-	-	-	-	-	-	-	-	604	7.9
1984	494	4.3	506	5	427	2.8	-	-	461	3.5
1985	234	0.5	478	4	670	10.5	-	-	369	1.8

Data Sources and Notes:

1980-1982 data taken from a published report by Nelson (1983); mean length statistics provided for Gulf of Alaska as a whole; mean weight estimated from mean lengths based upon length-weight equation provided by Ben Van Alen (ADF&G, Douglas, AK, personal communication).

1983 data taken from a published report by Berger et al. (1984); mean length and weight statistics provided for Gulf of Alaska as a whole.

1984-1985 data provided to the authors by Renold Narita and Jerald Berger (personal correspondence dated 4/5/94); mean weight estimated from mean lengths based upon length-weight equation provided by Ben Van Alen (ADF&G, Douglas, AK, personal communication).

Table 35. Estimated mean length (mm) and weight (pounds) of chinook salmon bycatch in offshore joint-venture fisheries in southcentral Alaska, west of Yakutat, 1980-1988.

Year	Shumagin Area Area 610		Chirikov Area Area 620		Kodiak Area Area 630		West Yakutat Area Area 640		Total	
	Len.	Wt.	Len.	Wt.	Len.	Wt.	Len.	Wt.	Len.	Wt.
1980	-	-	-	-	-	-	-	-	600	7.6
1981	-	-	-	-	-	-	-	-	610	8.0
1982	-	-	-	-	-	-	-	-	630	8.7
1983	-	-	-	-	-	-	-	-	542	5.5
1984	443	3.1	478	3.9	307	1.1	-	-	331	1.3
1985	656	9.8	546	5.8	369	1.8	-	-	444	3.2
1986	682	11.0	494	4.3	261	0.7	-	-	276	0.8
1987	556	6.1	619	8.3	537	5.5	-	-	555	6.0
1988	-	-	607	7.8	615	8.1	-	-	613	8.1

Data Sources and Notes:

1980-1982 data taken from a published report by Nelson (1983) which provided mean lengths of chinook salmon caught in the foreign fishery; these data for the foreign fishery are used herein to provide annual estimates of mean length of chinook salmon during these three years for the joint-venture fishery; mean length statistics were provided for Gulf of Alaska as a whole; mean weight estimated from mean lengths based upon length-weight equation provided by Ben Van Alen (ADF&G, Douglas, AK, personal communication).

1983 data taken from a published report by Berger et al. (1984); mean length and weight statistics provided for Gulf of Alaska as a whole.

1984-1988 data provided to the authors by Renold Narita and Jerald Berger (personal correspondence dated 4/5/94); mean weight estimated from mean lengths based upon length-weight equation provided by Ben Van Alen (ADF&G, Douglas, AK, personal communication).

Table 36. Estimated mean length (mm) and weight (pounds) of chinook salmon bycatch in offshore domestic fisheries in southcentral Alaska, west of Yakutat, 1980-1993.

Year	Shumagin Area Area 610		Chirikov Area Area 620		Kodiak Area Area 630		West Yakutat Area Area 640		Total	
	Len.	Wt.	Len.	Wt.	Len.	Wt.	Len.	Wt.	Len.	Wt.
1980									unknown	
1981									unknown	
1982									unknown	
1983									unknown	
1984									unknown	
1985									unknown	
1986									unknown	
1987									unknown	
1988									unknown	
1989									unknown	
1990	571	6.6	540	5.6	525	5.1	748	14.4	536	5.5
1991	586	7.1	593	7.3	522	5.1	588	7.2	571	6.6
1992	591	7.3	547	5.8	513	4.8	891	24.0	543	5.7
1993	584	7	396	2.3	421	2.7	645	9.4	427	2.8

Data Sources and Notes:

1980-1989: comprehensive estimates of the chinook salmon bycatch and average size of chinook caught in the domestic offshore fishery are not available.

1990-1993 data provided to the authors by Renold Narita and Jerald Berger (personal correspondence dated 4/5/94); mean weight estimated from mean lengths based upon length-weight equation provided by Ben Van Alen (ADF&G, Douglas, AK, personal communication).

Table 37. Estimated mean length (mm) and weight (pounds) of chinook salmon bycatch in all offshore fisheries (foreign, joint-venture, and domestic) in southcentral Alaska, west of Yakutat, 1980-1993.

Year	Shumagin Area		Chirikov Area		Kodiak Area		West Yakutat Area		Total	
	Area 610		Area 620		Area 630		Area 640			
	Len.	Wt.	Len.	Wt.	Len.	Wt.	Len.	Wt.	Len.	Wt.
1980	-	-	-	-	-	-	-	-	600	7.6
1981	-	-	-	-	-	-	-	-	610	8
1982	-	-	-	-	-	-	-	-	630	8.7
1983	-	-	-	-	-	-	-	-	581	6.9
1984	486	4.1	484	4.1	319	1.2	-	-	351	1.6
1985	450	3.3	546	5.8	373	1.9	-	-	433	2.9
1986	682	11	494	4.3	261	0.7	-	-	276	0.8
1987	556	6.1	619	8.3	537	5.5	-	-	555	6
1988	-	-	607	7.8	615	8.1	-	-	613	8.1
1989	-	-	-	-	-	-	-	-	-	-
1990	571	6.6	540	5.6	525	5.1	748	14.4	536	5.5
1991	586	7.1	593	7.3	522	5.1	588	7.2	571	6.6
1992	591	7.3	547	5.8	513	4.8	891	24	543	5.7
1993	584	7	396	2.3	421	2.7	645	9.4	427	2.8

Note: prior to 1990, comprehensive estimates of the chinook bycatch and mean size of chinook salmon caught in the domestic offshore fishery are not available; as a result, the mean size estimates of chinook caught in the 1980s relate only to the foreign and joint-venture fisheries.

Table 38. Numbers of coded wire tags, by district recovered and state/province of origin, that were recovered from chinook salmon harvested in sport fisheries in Prince William Sound, 1980 - 1993.

Year	Fishery District Recovered ^a	State/Province of Origin	Number Tags Recovered	Relative Mark
1980-1983	No Tag Recovered			
1984	Eastern	BC	1	4
1984	Southeast	OR	1	1
1985	Eastern	AK	1	2
1986	Eastern	BC	1	1
1987	Eastern	BC	1	21
1988	Eastern	AK	5	28
1988	Eastern	WA	1	1
1989	Eastern	AK	2	11
1989	Southeast	BC	1	1
1990	Southeast	BC	1	1
1991	No Tags Recovered			
1992	Eastern	AK	1	4
1993	Coghill	AK	5	23

^a Districts are Commercial Fishery Districts: Eastern = District 221; Coghill = District 223; Southeast = District 228. Data from State of Alaska, Department of Fish and Game, Statewide Coded Wire Tag database (4/19/94).

Table 39. Numbers of coded wire tags, by district recovered and state/province of origin, that were recovered from chinook salmon harvested in sport fisheries in Lower Cook Inlet, 1980 - 1993.

Year	Fishery District Recovered ^a	State/Province of Origin	Number Tags Recovered	Relative Mark
1980	Southern	BC	1	49
1980	Southern	WA	1	5
1981	Southern	AK	1	1
1981	Southern	BC	4	99
1982	Southern	AK	2	2
1982	Southern	OR	2	2
1983	Southern	AK	1	2
1983	Southern	OR	6	6
1984	Southern	BC	1	4
1985	Eastern	AK	2	9
1985	Eastern	WA	1	23
1985	Southern	BC	2	63
1985	Southern	OR	1	9
1985	Southern	WA	1	1
1986	Southern	BC	2	2
1987	Eastern	AK	1	1
1987	Southern	BC	1	24
1988	Eastern	AK	7	7
1988	Eastern	BC	1	1
1988	Southern	BC	4	83
1988	Southern	WA	1	7
1989	No Tags Recovered			
1990	Southern	BC	2	54
1990	Unknown	BC	1	53
1991	Eastern	WA	1	2
1991	Southern	BC	1	1
1992	Southern	AK	1	1
1992	Southern	BC	17	199
1993	Southern	BC	5	33

^a Eastern District = Commercial Fishery District 231; Southern District = Commercial Fishery District 241. Data from State of Alaska, Department of Fish and Game, Statewide Coded Wire Tag database (4/19/94).

Table 40. Numbers of coded wire tags, by district recovered and state/province of origin, that were recovered from chinook salmon harvested in sport fisheries in Upper Cook Inlet, 1980 - 1993.

Year	Fishery District Recovered ^a	State/Province of Origin	Number Tags Recovered	Relative Mark
1980	No Tags Recovered			
1981	Central	AK	1	7
1982-1990	No Tags Recovered			
1991	Central	AK	2	16
1991	Central	BC	3	43
1992	Central	AK	3	22
1992	Central	BC	1	11
1993	Central	AK	1	9
1993	Central	BC	2	20

^a Central District = Commercial Fishery District 244 and 245. Data from State of Alaska, Department of Fish and Game, Statewide Coded Wire Tag database (4/19/94).

Table 41. Numbers of coded wire tags, by district recovered and state/province of origin, that were recovered from chinook salmon harvested in sport fisheries near Kodiak, 1980 - 1993.

Year	Fishery District Recovered ^a	State/Province of Origin	Number Tags Recovered	Relative Mark
1980-1984	No Tags Recovered			
1985	259	AK	2	15
1986-1991	No Tags Recovered			
1992	259	BC	4	26
1993	259	BC	2	37

^a Districts are Commercial Fishery Districts. Data from State of Alaska, Department of Fish and Game, Statewide Coded Wire Tag database (4/19/94).

Table 42. Numbers of coded wire tags recovered from chinook salmon, and estimated contribution to sampled commercial fisheries in Prince William Sound from chinook salmon groups tagged with coded wire tags, 1980 - 1993.

Year	Fishery District Recovered ^a	State/Province of Origin	Number Tags Recovered ^b	Relative Mark	Estimated Contribution ^c
1980	No Tags Recovered				
1981	Copper	OR	1	1	
1982-1983	No Tags Recovered				
1984	Copper	OR	1	1	11
1984	Copper	WA	1	20	
1985	Copper	AK	1	1	24
1985	Eastern	WA	1	1	
1985	Southeast	AK	1	1	10
1986	Coghill	BC	1	2	36
1986	Coghill	OR	1	3	
1986	Copper	AK	2	4	31
1986	Copper	OR	1	3	20
1986	Eastern	AK	1	5	
1986	Eastern	BC	1	2	
1986	Eastern	WA	4	62	
1987	Coghill	AK	3	15	
1987	Coghill	BC	3	48	
1987	Coghill	WA	4	13	
1987	Copper	OR	2	12	165
1987	Copper	WA	1	2	10
1987	Eastern	AK	20	106	
1987	Eastern	BC	1	20	
1987	Eastern	OR	2	6	
1987	Northern	BC	3	6	5
1987	Northern	OR	1	16	73
1987	Southeast	AK	1	1	
1987	Southwest	AK	1	7	
1987	Southwest	BC	2	26	69
1987	Southwest	OR	2	6	7
1987	Unknown	AK	1	6	
1987	Unknown	OR	1	1	

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Year	Fishery District Recovered ^a	State/Province of Origin	Number Tags Recovered ^b	Relative Mark	Estimated Contribution ^c
1988	Coghill	AK	3	8	32
1988	Coghill	BC	2	41	
1988	Coghill	WA	1	1	2
1988	Copper	AK	1	3	16
1988	Copper	BC	1	3	15
1988	Copper	OR	3	13	66
1988	Copper	WA	3	22	278
1988	Eastern	AK	4	19	9
1988	Eastern	BC	1	8	27
1988	Eastern	OR	1	1	5
1988	Eastern	WA	7	20	68
1988	Eshamy	BC	1	5	
1988	Unknown	AK	1	3	
1988	Unknown	BC	3	55	
1988	Unknown	OR	1	1	
1988	Unknown	WA	1	1	
1989	Coghill	AK	3	12	87
1989	Coghill	BC	2	4	15
1989	Coghill	WA	1	25	31
1989	Copper	OR	1	1	
1989	Copper	WA	3	7	14
1989	Eastern	AK	7	39	286
1989	Eastern	BC	3	55	<1
1989	Northern	BC	5	37	15
1989	Unknown	BC	1	1	
1990	Coghill	AK	1	3	
1990	Coghill	BC	4	76	6
1990	Copper	AK	1	4	
1990	Copper	BC	4	15	1,024
1990	Copper	OR	3	7	68
1990	Copper	WA	3	4	20
1990	Eastern	AK	2	13	2
1990	Eastern	BC	2	29	
1990	Eastern	WA	1	2	
1990	Eshamy	AK	2	12	56
1990	Northern	BC	1	1	
1990	Southwest	BC	1	1	
1990	Unknown	AK	1	1	
1990	Unknown	BC	3	38	

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Year	Fishery District Recovered ^a	State/Province of Origin	Number Tags Recovered ^b	Relative Mark	Estimated Contribution ^c
1991	Copper	AK	9	61	126
1991	Copper	BC	12	167	315
1991	Copper	OR	12	259	536
1991	Copper	WA	6	8	18
1991	Eastern	AK	2	11	8
1991	Eastern	BC	7	69	74
1991	Eshamy	AK	3	6	3
1991	Northern	BC	1	57	
1991	Unknown	AK	4	19	
1991	Unknown	BC	4	21	
1991	Unknown	OR	2	25	
1992	Coghill	AK	2	5	17
1992	Coghill	WA	1	32	
1992	Copper	AK	6	35	74
1992	Copper	BC	3	64	316
1992	Copper	OR	4	22	55
1992	Eastern	BC	1	3	3
1992	Eshamy	AK	3	11	43
1992	Eshamy	BC	3	60	127
1992	Unknown	AK	3	20	
1992	Unknown	BC	1	1	
1992	Unknown	OR	1	14	
1993	Coghill	AK	48	204	217
1993	Coghill	BC	9	89	35
1993	Coghill	OR	1	2	
1993	Coghill	WA	3	6	8
1993	Copper	AK	6	19	110
1993	Copper	BC	2	33	227
1993	Copper	OR	4	12	73
1993	Eshamy	AK	4	28	125
1993	Eshamy	BC	1	1	
1993	Southwest	BC	2	9	2
1993	Unakwik	BC	1	6	1
1993	Unknown	AK	20	84	
1993	Unknown	BC	3	9	
1993	Unknown	WA	1	2	

^a Districts are Commercial Fishery Districts: Copper River = District 212; Eastern = District 221; Northern = District 222; Coghill = District 223; Eshamy = District 225; Southwest = District 226; Southeast = District 228; Unakwik = District 229. Data from State of Alaska, Department of Fish and Game, Statewide Coded Wire Tag database (4/19/94).

^b Includes all tag recoveries (select and random).

^c Only random tag recoveries included in contribution estimates.

Table 43. Numbers of coded wire tags recovered from chinook salmon, and estimated contribution to sampled cost recovery fisheries in Prince William Sound from chinook salmon groups tagged with coded wire tags, 1980 - 1993.

Year	Fishery District Recovered ^a	State/Province of Origin	Number Tags Recovered ^b	Relative Mark	Estimated Contribution ^c
1980-1987	No Tags Recovered				
1988	Eastern	AK	1	6	
1989	Eastern	AK	2	11	
1990-1991	No Tags Recovered				
1992	Coghill	AK	18	69	131
1992	Eastern	BC	1	3	1
1993	Coghill	AK	61	272	1,445
1993	Coghill	BC	1	2	43
1993	Eastern	AK	1	2	
1993	Eastern	BC	2	6	2
1993	Unknown	AK	1	4	

^a Districts are Commercial Fishery Districts: Eastern = District 221; Coghill = District 223. Data from State of Alaska, Department of Fish and Game, Statewide Coded Wire Tag database (4/19/94).

^b Includes all tag recoveries (select and random).

^c Only random tag recoveries included in contribution estimates.

Table 44. Estimated contribution of groups of chinook salmon tagged with coded wire tags to sampled^a state managed commercial and cost recovery fisheries in Prince William Sound, by state/province of origin, 1984 - 1993.

State of Origin	Prince William Sound Commercial Fisheries															Cost Recovery Fisheries				
	All PWS Districts					Copper District					Other Districts									
	Number	Relative Mark		Contribution		Number	Relative Mark		Contribution		Number	Relative Mark		Contribution		Number	Relative Mark		Contribution	
	Tags	Number	Prop.	Number	Prop.	Tags	Number	Prop.	Number	Prop.	Tags	Number	Prop.	Number	Prop.	Tags	Number	Prop.	Number	Prop.
AK	167	766	0.31	1,276	0.25	26	127	0.16	381	0.11	141	639	0.39	895	0.60	85	364	0.98	1,576	0.97
BC	95	1,062	0.43	2,312	0.45	22	282	0.35	1,897	0.53	73	780	0.47	415	0.28	3	8	0.02	46	0.03
OR	45	406	0.16	1,079	0.21	32	331	0.41	994	0.28	13	75	0.05	85	0.06	0				
WA	42	228	0.09	449	0.09	17	63	0.08	340	0.09	25	165	0.10	109	0.07	0				
Total	349	2,462	1	5,116	1	97	803	1	3,612	1	252	1,659	1	1,504	1	88	372	1	1,622	1
Total Commercial Harvest (1984-1993)					362,273	350,742					11,531									

^a Not all districts and years were sampled.

Table 45. Numbers of coded wire tags, by district recovered and state/province of origin, that were recovered from chinook salmon harvested in commercial salmon fisheries in Upper Cook Inlet, 1980 - 1993.

Year	Fishery District Recovered ^a	State/Province of Origin	Number Tags Recovered	Relative Mark
1980-1984	No Tags Recovered			
1985	Central	AK	2	17
1986-1989	No Tags Recovered			
1990	Northern	AK	2	16
1991-1993	No Tags Recovered			

^a Central District = Commercial Fishery District 244 and 245; Northern District = Commercial Fishery District 247. Data from State of Alaska, Department of Fish and Game, Statewide Coded Wire Tag database (4/19/94).

Table 46. Numbers of coded wire tags, by district recovered and state/province of origin, that were recovered from chinook salmon harvested in commercial salmon fisheries near Kodiak, 1980-1993.

Year	Fishery District Recovered ^a	State/Province of Origin	Number Tags Recovered	Relative Mark
1980-1990	No Tags Recovered			
1991	251	WA	1	1
1991	254	BC	3	14
1991	254	WA	1	1
1991	256	AK	1	8
1991	256	BC	1	35
1991	257	AK	1	8
1991	257	BC	2	20
1991	257	WA	1	5
1991	258	BC	1	60
1991	259	BC	5	49
1991	259	OR	1	2
1991	259	WA	2	5
1991	262	AK	1	1
1991	262	BC	7	147
1991	262	WA	1	1
1992	252	BC	1	2
1992	253	AK	1	4
1992	253	BC	1	2
1992	254	BC	1	5
1992	257	AK	1	1
1992	257	BC	3	13
1992	259	BC	2	7
1993	No Tags Recovered			

^a Districts are Commercial Fishery Districts. Data from State of Alaska, Department of Fish and Game, Statewide Coded Wire Tag database (4/19/94).

Table 47. Total numbers of coded wire tags, by area recovered and state/province of origin, that were recovered from chinook salmon harvested in state managed sport, commercial, and cost recovery fisheries in marine waters of southcentral Alaska, 1980 - 1993.^a

Area Recovered	State/Province of Origin	Number Tags Recovered	Relative Mark ^b
Kodiak	AK	7	38
	BC	33	417
	OR	1	2
	WA	6	14
Lower Cook Inlet	AK	15	23
	BC	42	665
	OR	9	17
	WA	5	37
Prince William Sound	AK	265	1,198
	BC	104	1,098
	OR	46	408
	WA	43	228
Upper Cook Inlet	AK	11	86
	BC	6	74
Unknown	AK	1	9
Unknown	BC	6	7

^a Data from State of Alaska, Department of Fish and Game, Statewide Coded Wire Tag database (4/19/94).

^b Relative marks from this table may not equal other tables summed because of rounding.

Table 48. Numbers of coded wire tags, by state/province of origin, that were recovered from chinook salmon bycatches in federally managed groundfish fisheries in the Kodiak Area (630) of southcentral Alaska, 1980-1993.^a

Year	State/Province of Origin	Number Tags Recovered	Relative Mark
1980-1983	No Tags Recovered		
1984	AK	17	30
	BC	41	316
	CA	1	1
	OR	23	64
	WA	21	104
1985	AK	1	4
	BC	6	91
	OR	2	4
	WA	2	2
1986	AK	2	9
	BC	6	11
	OR	2	5
	WA	3	13
1987	AK	1	3
	BC	1	7
	WA	1	1
1988	No Tags Recovered		
1989	BC	1	40
1990	AK	2	12
	BC	12	195
	OR	5	6
	WA	4	5
1991	AK	2	18
	BC	14	209
	OR	1	13
	WA	2	6
1992	AK	3	33
	BC	20	148
	OR	3	20
	WA	8	20
1993	AK	8	53
	BC	46	506
	OR	11	22
	WA	16	141

^a Data from State of Alaska, Department of Fish and Game, CWT database report, dated 5/5/94 (chinnmfs.xls).

Table 49. Numbers of coded wire tags, by state/province of origin, that were recovered from chinook salmon bycatches in federally managed groundfish fisheries in the Chirikov Area (620) of southcentral Alaska, 1980-1993.^a

Year	State/Province of Origin	Number Tags Recovered	Relative Mark
1980-1983	No Tags Recovered		
1984	BC	15	261
	OR	5	5
	WA	1	1
1985	AK	11	13
	BC	2	3
	OR	5	8
	WA	10	50
1986-1989	No Tags Recovered		
1990	AK	4	24
	BC	1	1
	OR	7	8
	WA	4	12
1991	BC	1	26
	WA	1	1
1992	AK	3	27
	BC	6	23
	OR	1	9
	WA	1	2
1993	AK	4	18
	BC	19	197
	OR	6	31
	WA	3	8

^a Data from State of Alaska, Department of Fish and Game, CWT database report, dated 5/5/94 (chinnmfs.xls).

Table 50. Numbers of coded wire tags, by state/province of origin, that were recovered from chinook salmon bycatches in federally managed groundfish fisheries in the Shumagin Area (610) of southcentral Alaska, 1980-1993.^a

Year	State/Province of Origin	Number Tags Recovered	Relative Mark
1980-1983	No Tags Recovered		
1984	AK	1	15
1985	AK	2	3
	OR	2	8
1986	BC	1	21
1987	No Tags Recovered		
1988	AK	1	7
1989	No Tags Recovered		
1990	BC	3	6
1991	BC	3	114
1992	BC	1	1
1993	OR	1	3

^a Data from State of Alaska, Department of Fish and Game, CWT database report, dated 5/5/94 (chinmfs.xls).

Table 51. Total numbers of coded wire tags, by area recovered and state/province of origin, that were recovered from chinook salmon bycatches in federally managed groundfish fisheries in southcentral Alaska, 1980-1993.^a

Area Recovered	State/Province of Origin	Number Tags Recovered	Relative Mark ^b
West Yakutat/Prince William Sound (640/649)	BC	1	8
	WA	1	1
Kodiak (630)	AK	36	164
	BC	147	1,522
	CA	1	1
	OR	47	133
	WA	56	291
Chirikov (620)	AK	34	99
	BC	44	510
	OR	24	61
	WA	20	74
Shumagin (610)	AK	4	25
	BC	8	141
	OR	3	11
Unknown	OR	3	8
Unknown	WA	2	4

^a Data from State of Alaska, Department of Fish and Game, Statewide Coded Wire Tag database (4/19/94).

^b Relative marks from this table may not equal other tables summed because of rounding, and inclusion of areas 640/649 in this table.

FIGURES

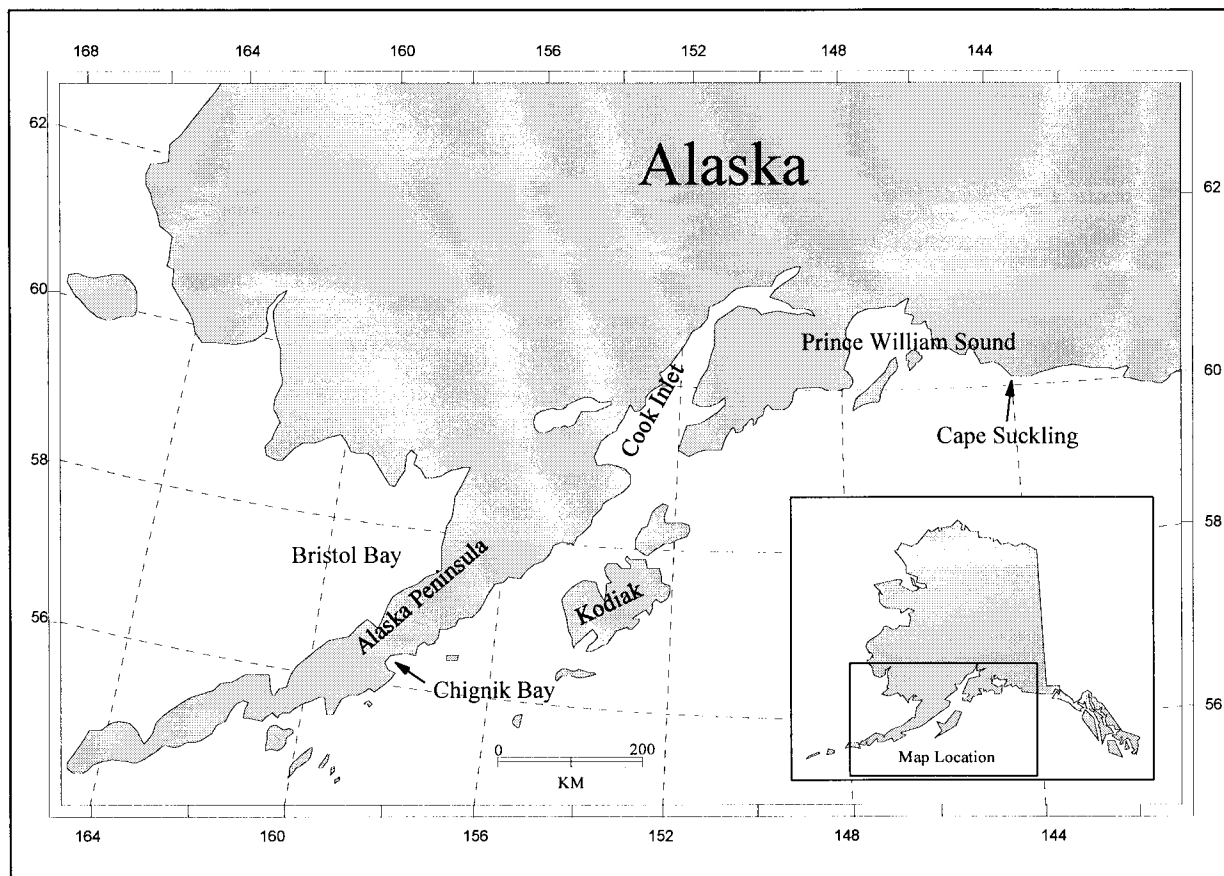


Figure 1. Map of southcentral Alaska.

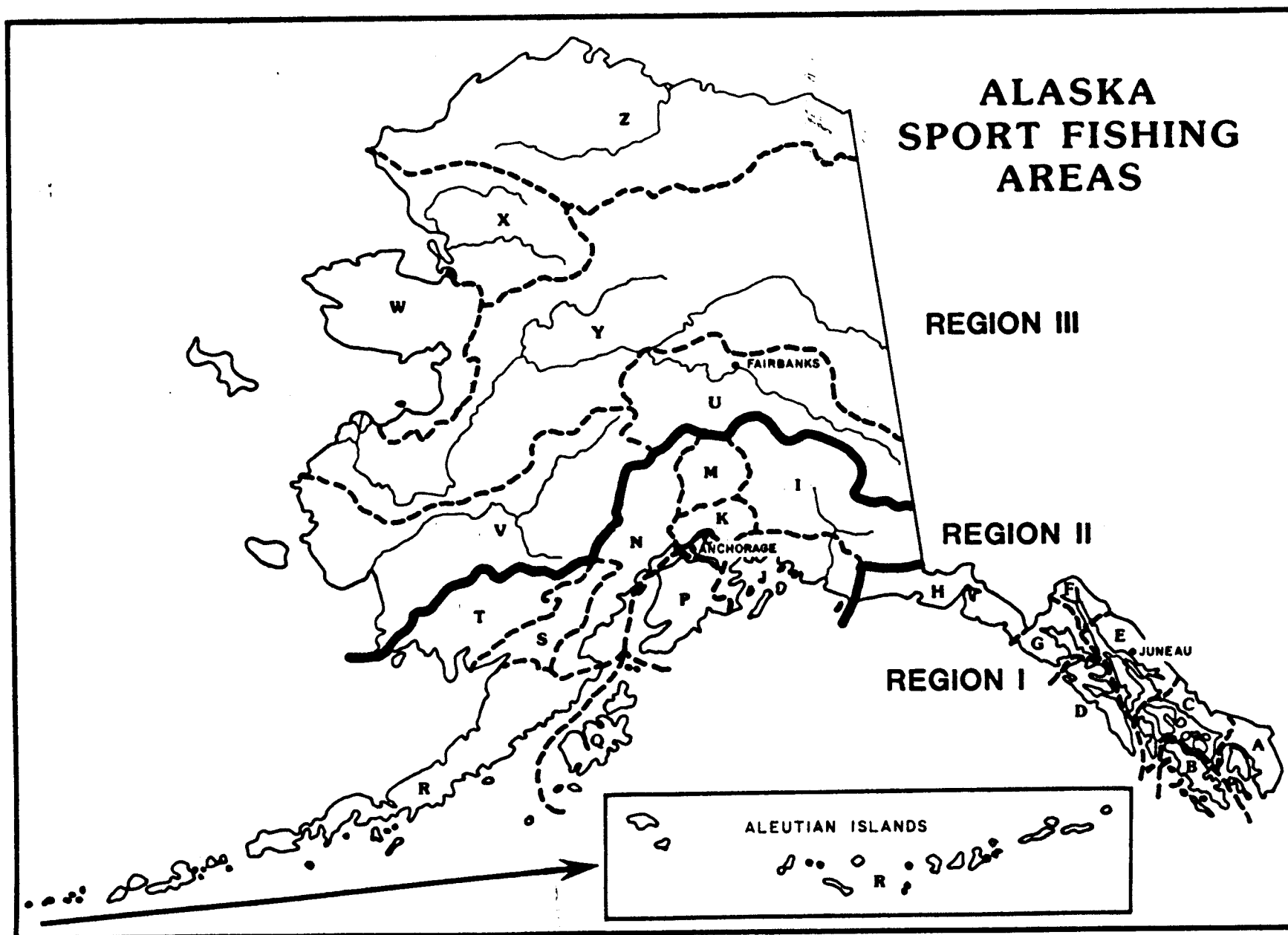


Figure 2. Map of Alaska sport fishing regions and areas used in the Alaska Statewide Harvest Survey (Mills 1981-1993).

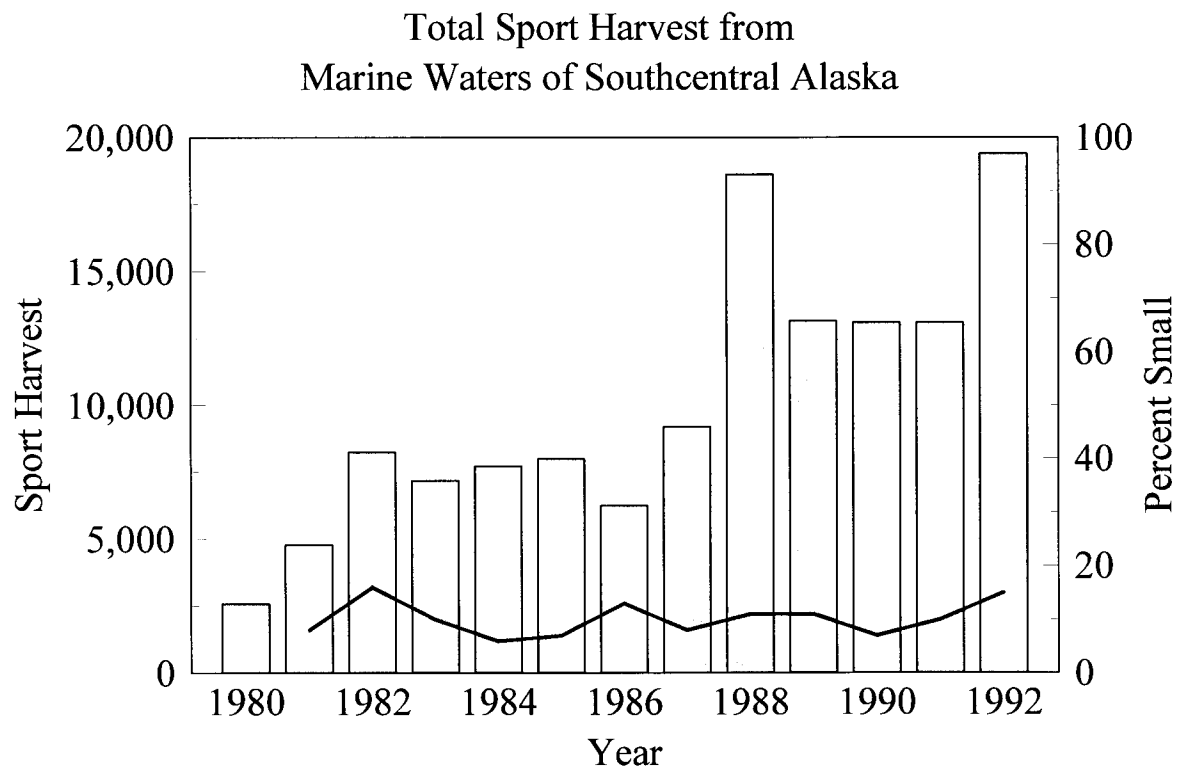


Figure 3. Total sport harvest (numbers) of chinook salmon (bars), and percent small chinook salmon (lines), from marine waters of southcentral Alaska, 1980-1992.

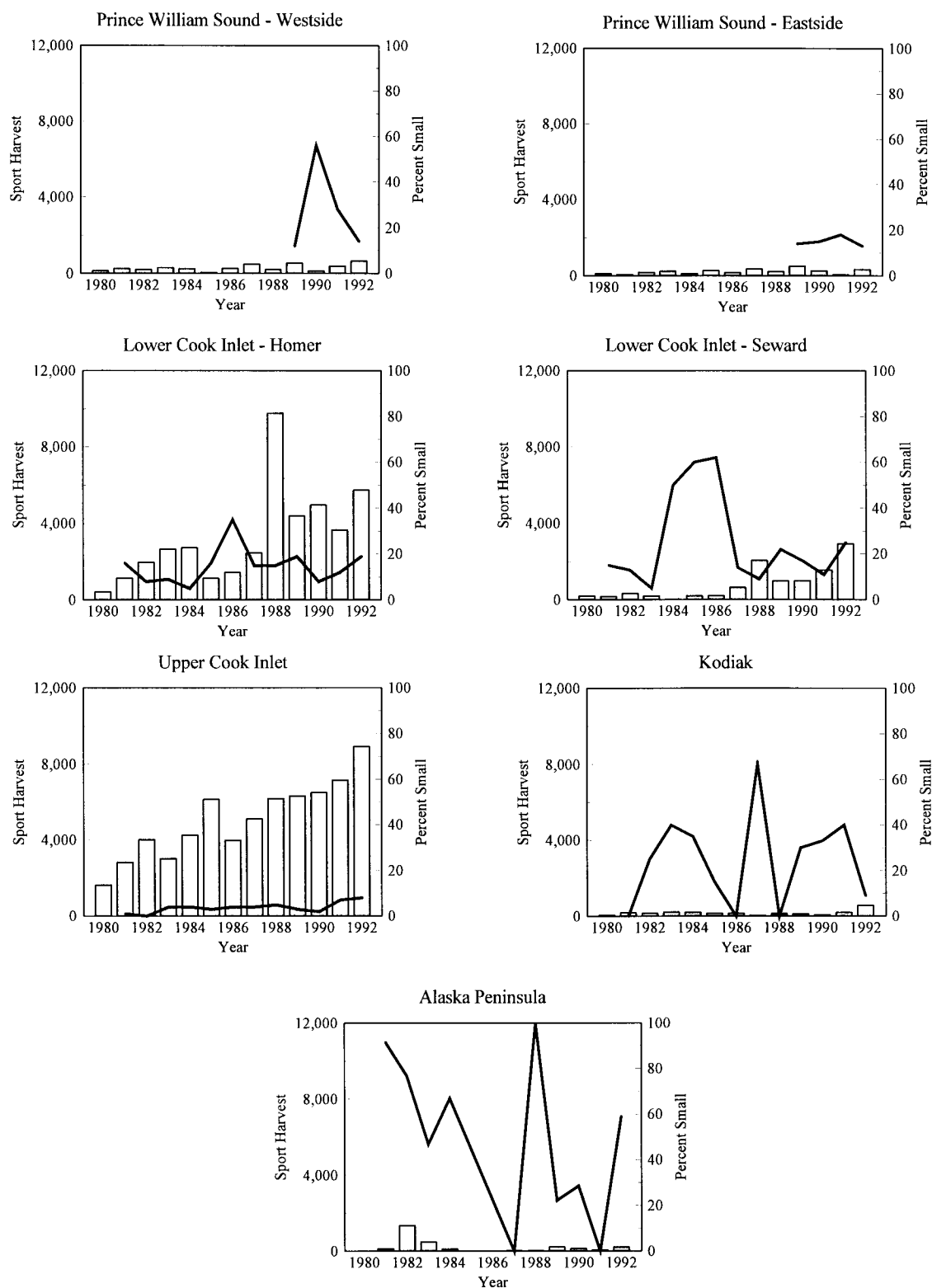


Figure 4. Harvest (numbers) of chinook salmon (bars), and percent small chinook salmon (lines), from seven sport fisheries in marine waters of southcentral Alaska, 1980-1992.

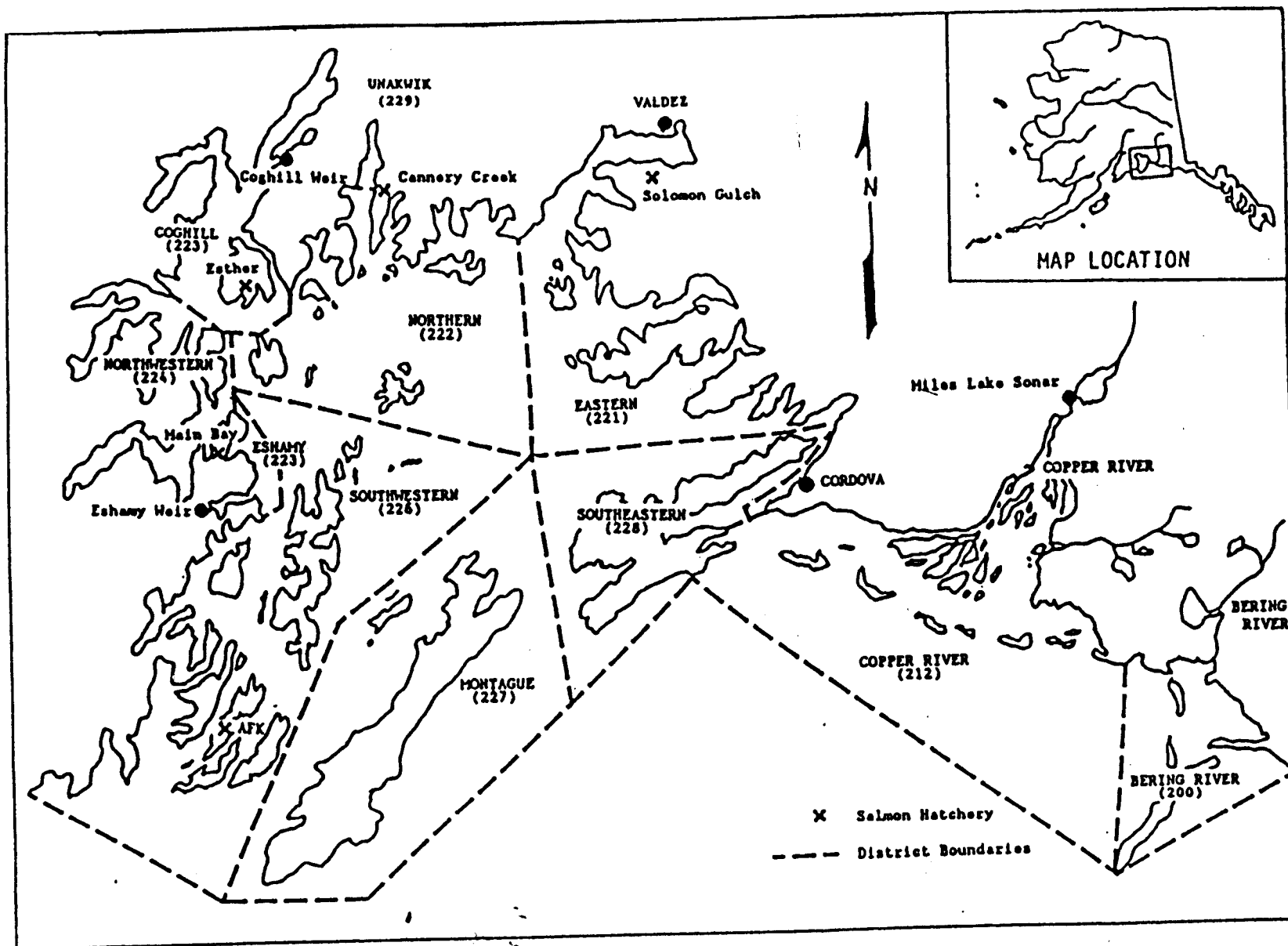


Figure 5. Map of commercial fishing districts in Prince William Sound.

Figure 6. Map of commercial fishing districts in Lower Cook Inlet.

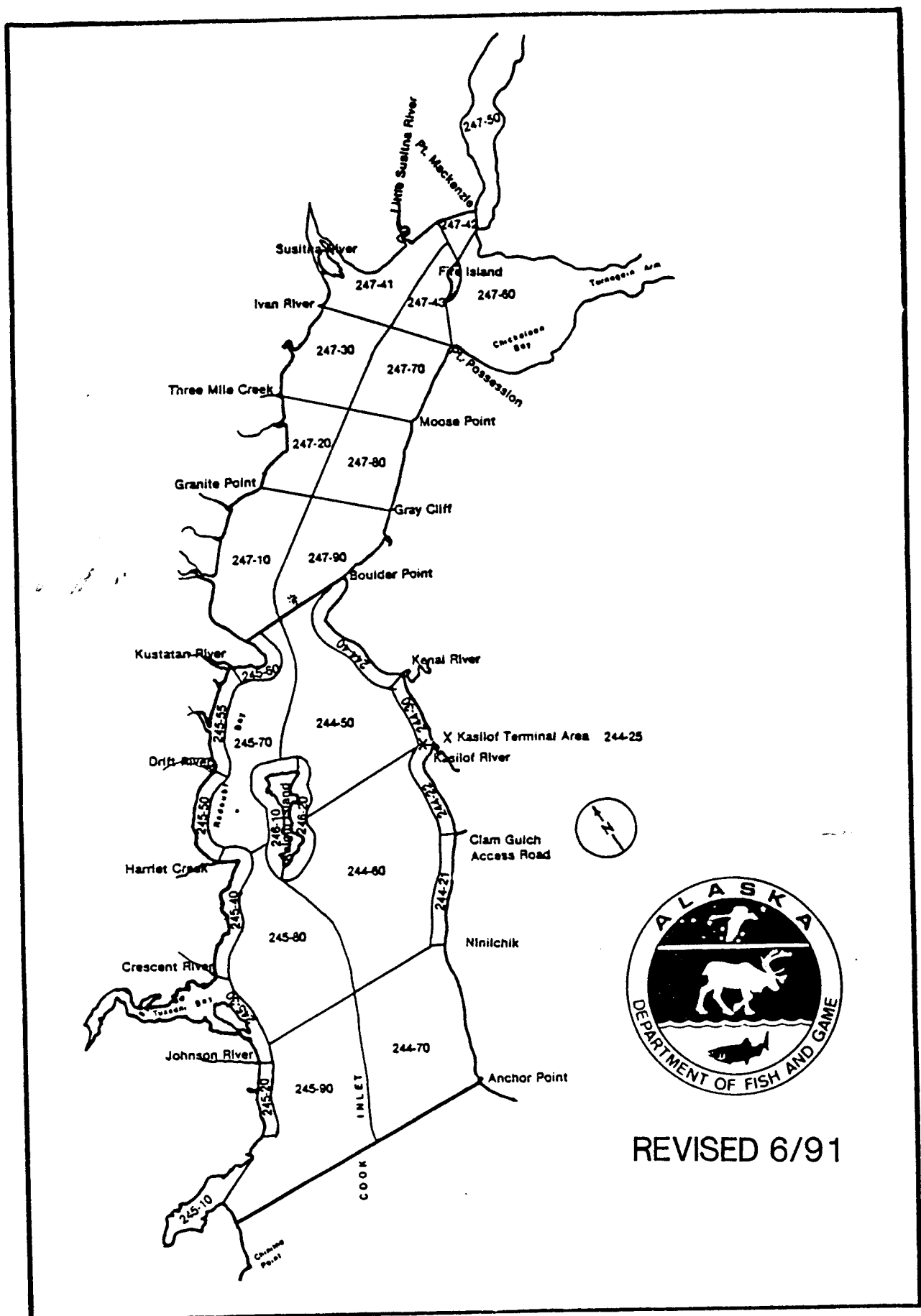


Figure 7. Map of commercial fishing districts in Upper Cook Inlet.

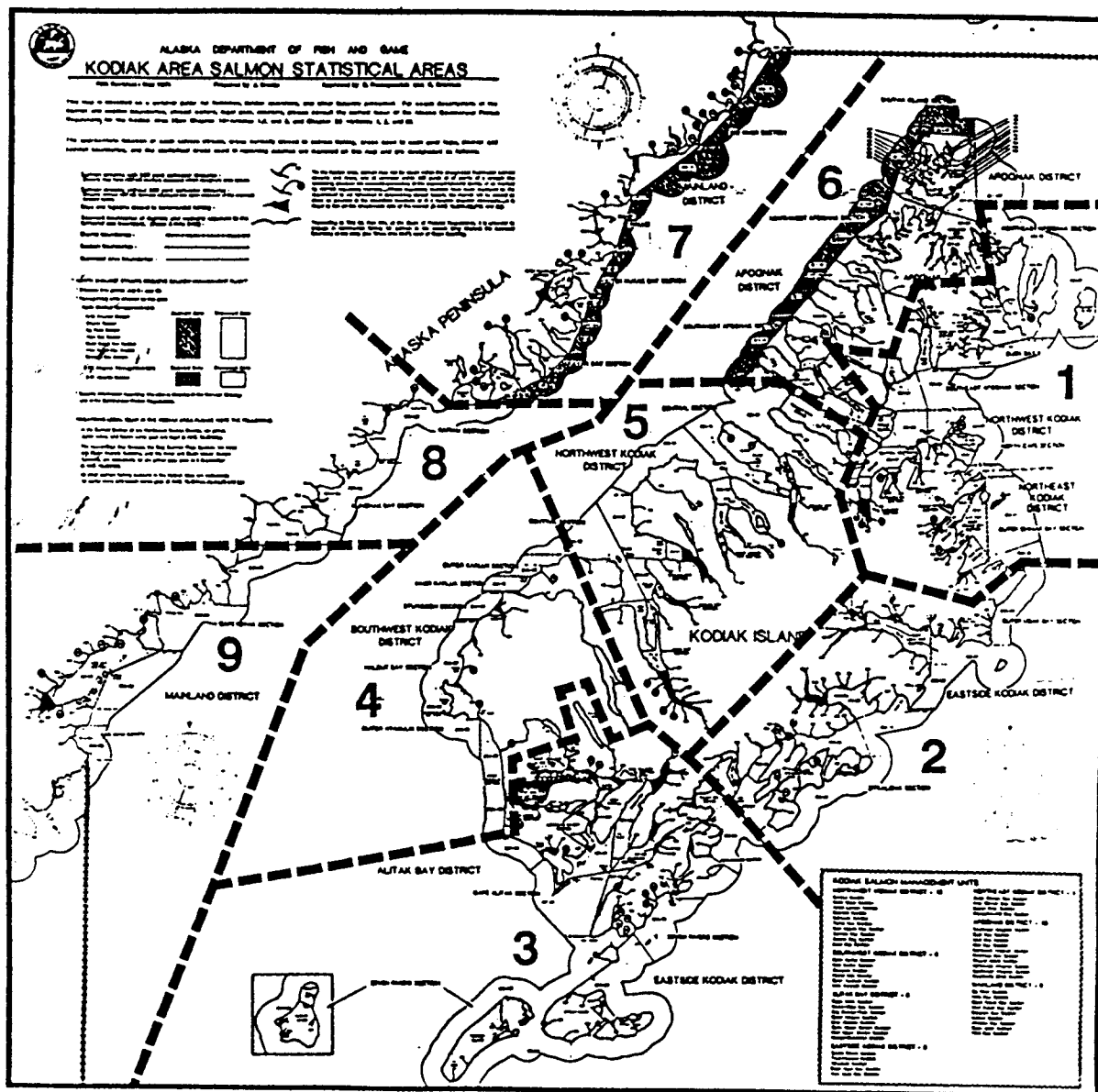


Figure 8. Map of commercial fishing districts in the Kodiak Area.

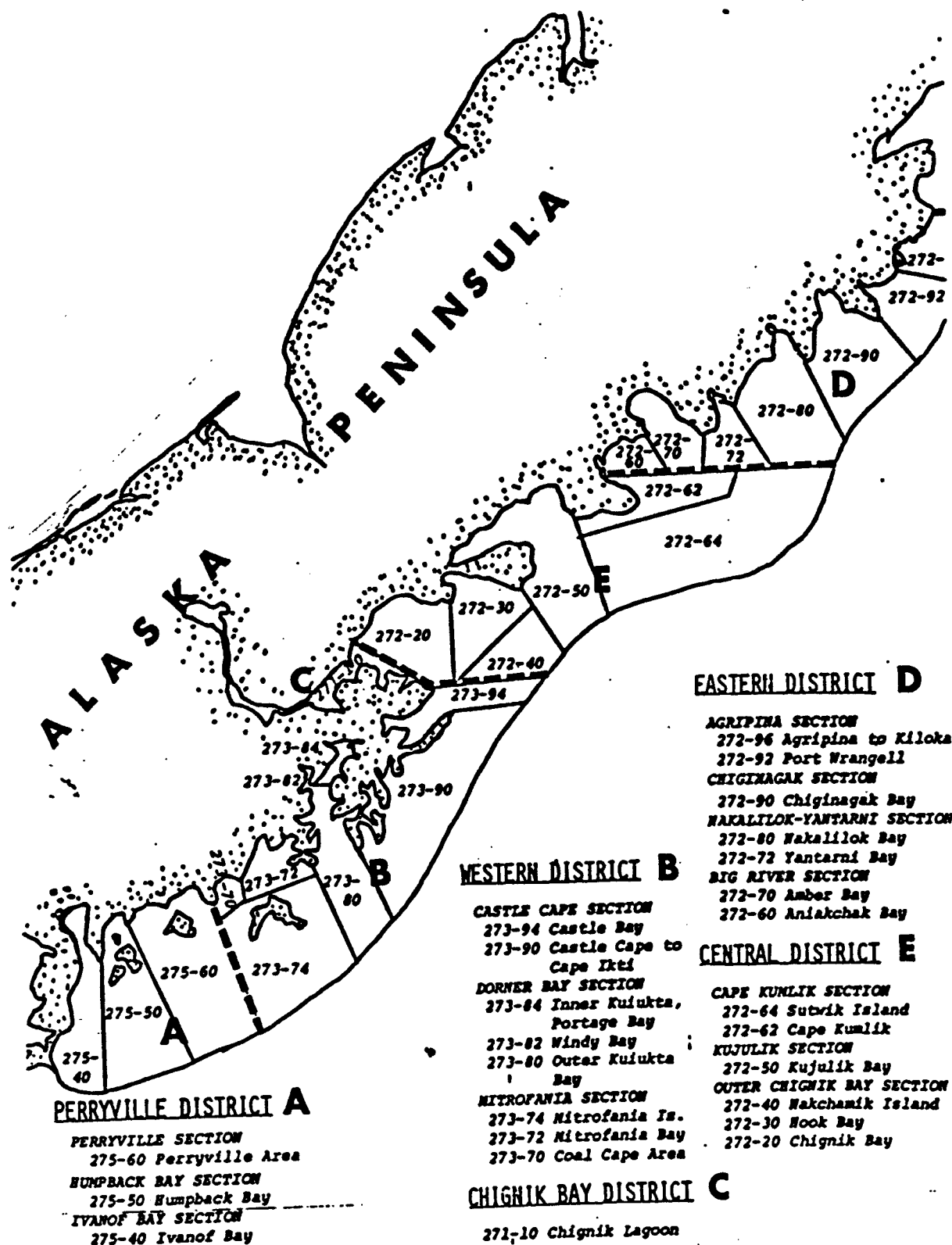


Figure 9. Map of commercial fishing districts in the Chignik Area.

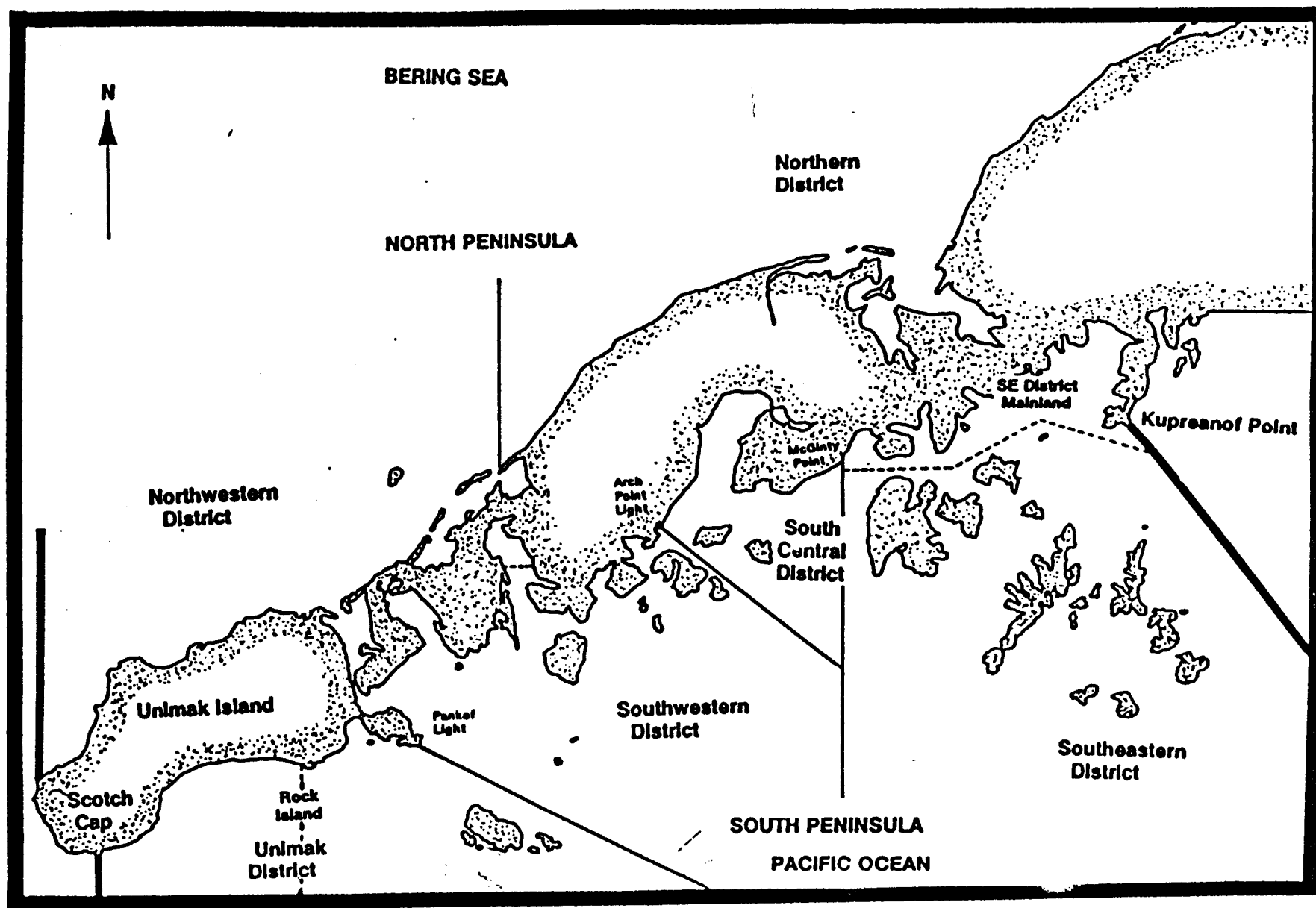


Figure 10. Map of commercial fishing districts in the Alaska Peninsula Area.

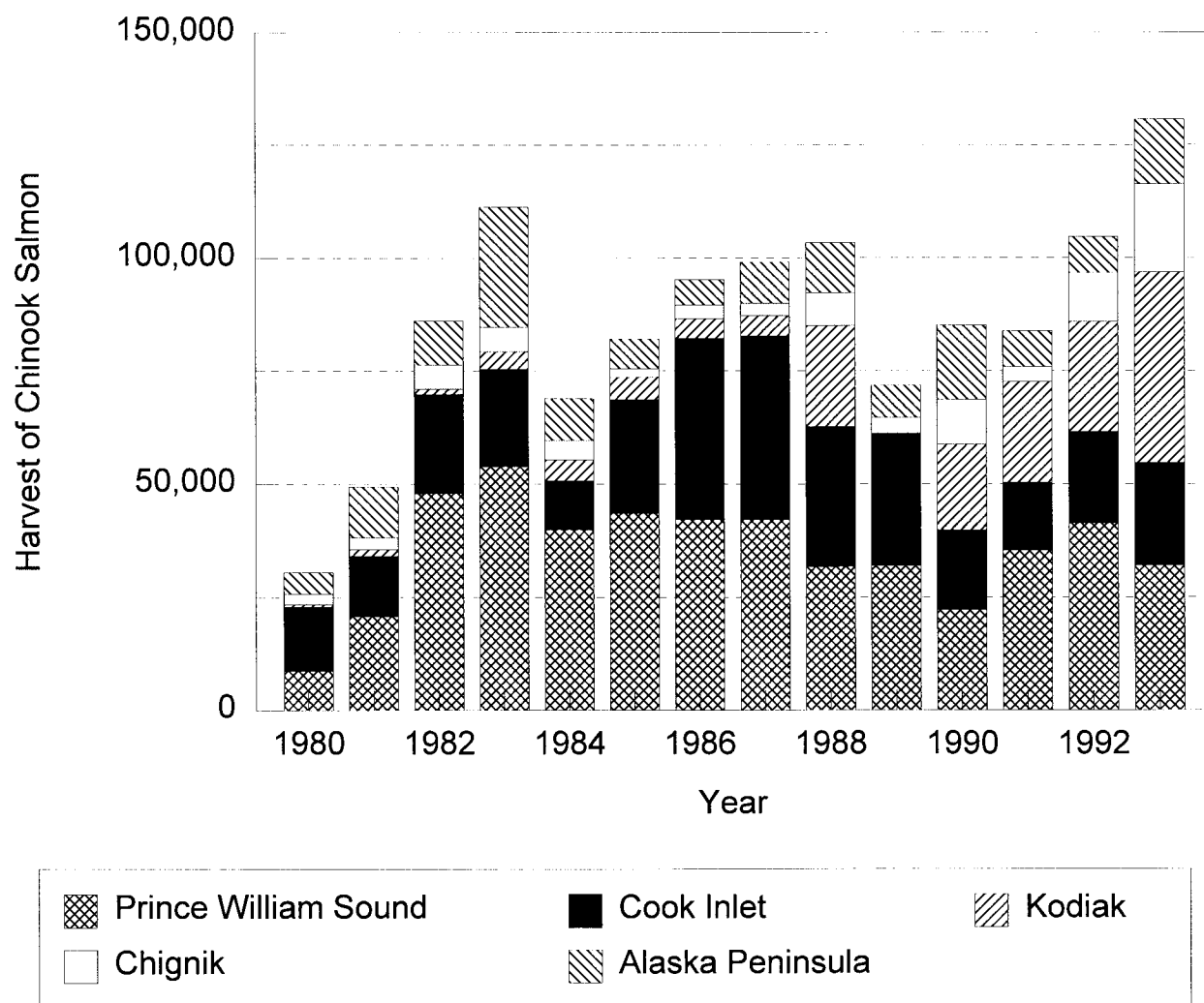


Figure 11. Total harvest of chinook salmon (numbers) in state managed commercial fisheries in marine waters of southcentral Alaska, 1980-1993.

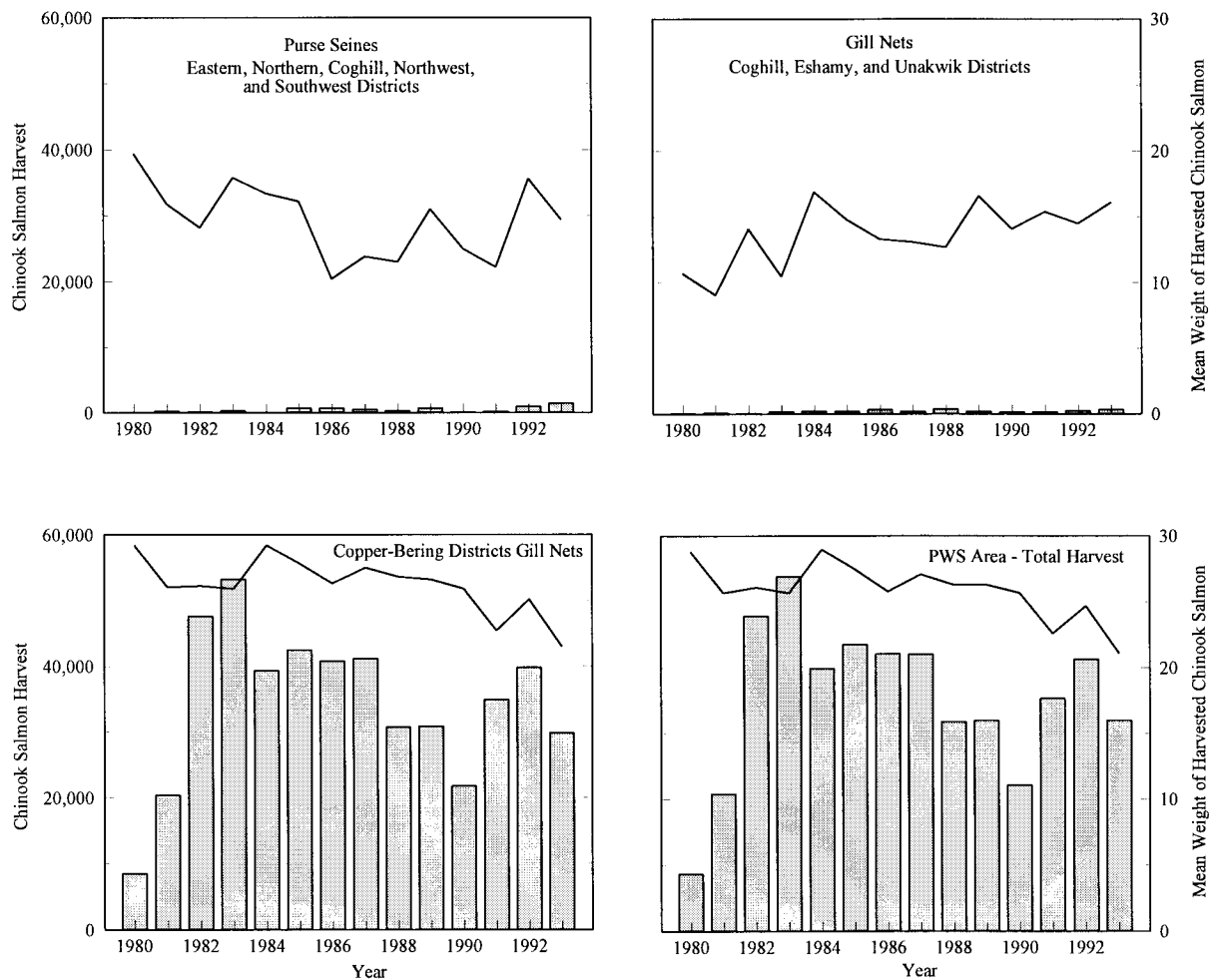


Figure 12. Harvests (numbers) of chinook salmon (bars) and mean weight of harvested chinook salmon (lines) in state managed commercial fisheries for salmon in the Prince William Sound Area, 1980-1993.

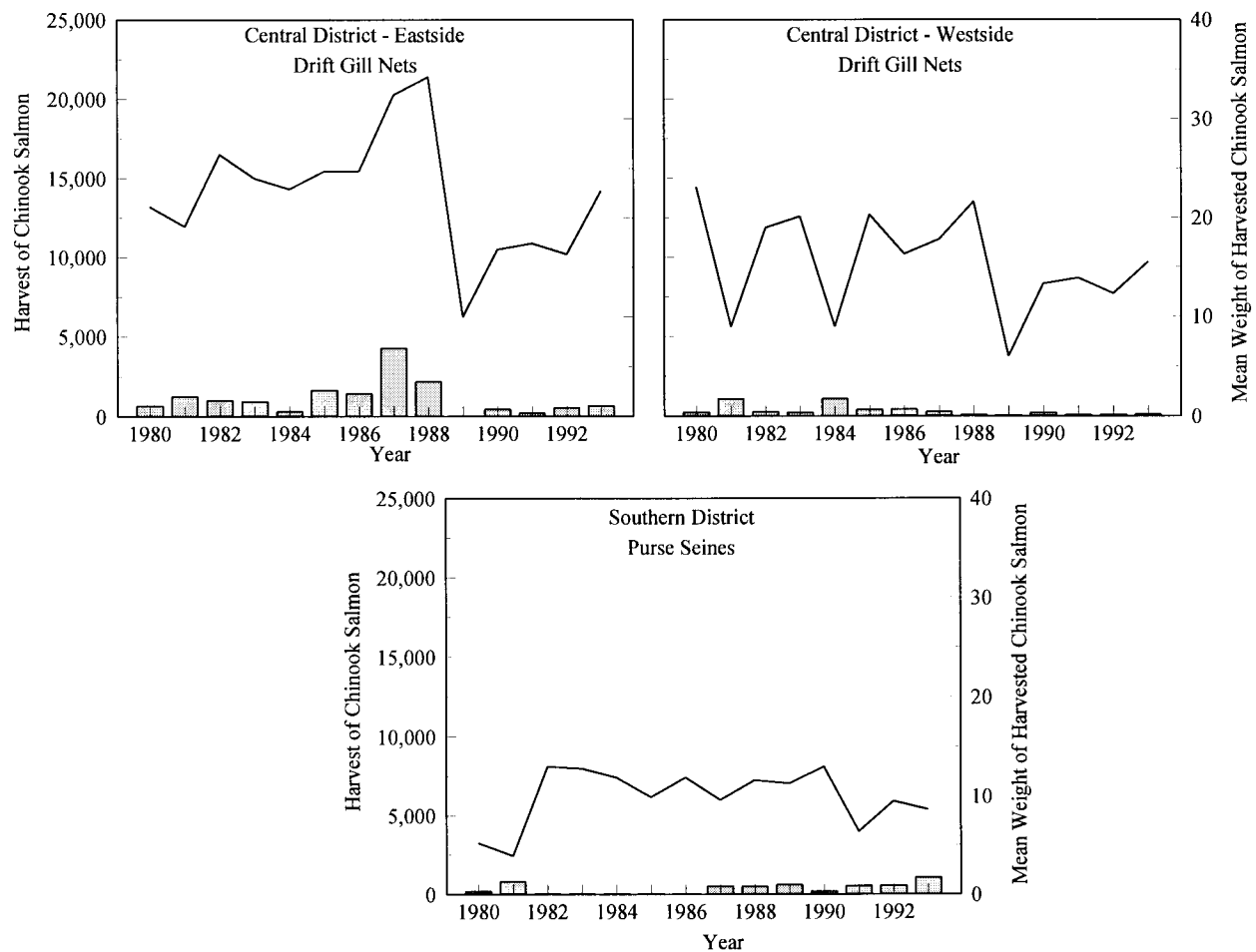


Figure 13. Harvests (numbers) of chinook salmon (bars), and mean weights of chinook salmon (lines), from state managed commercial drift gill net and purse seine fisheries for salmon in Cook Inlet, 1980-1993.

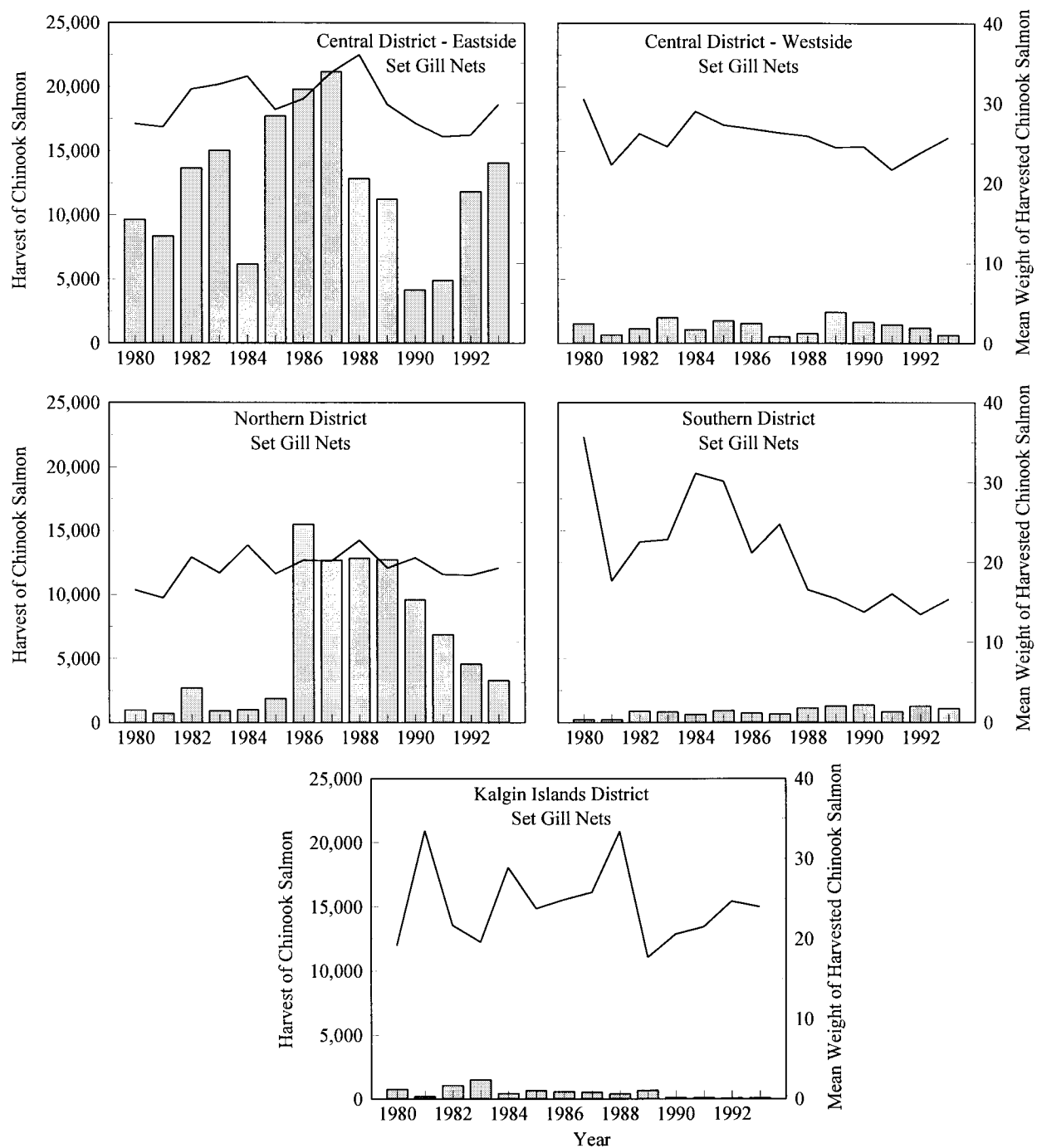


Figure 14. Harvests (numbers) of chinook salmon (bars), and mean weights of harvested chinook salmon (lines), from state managed commercial set gill net fisheries for salmon in Cook Inlet, 1980-1993.

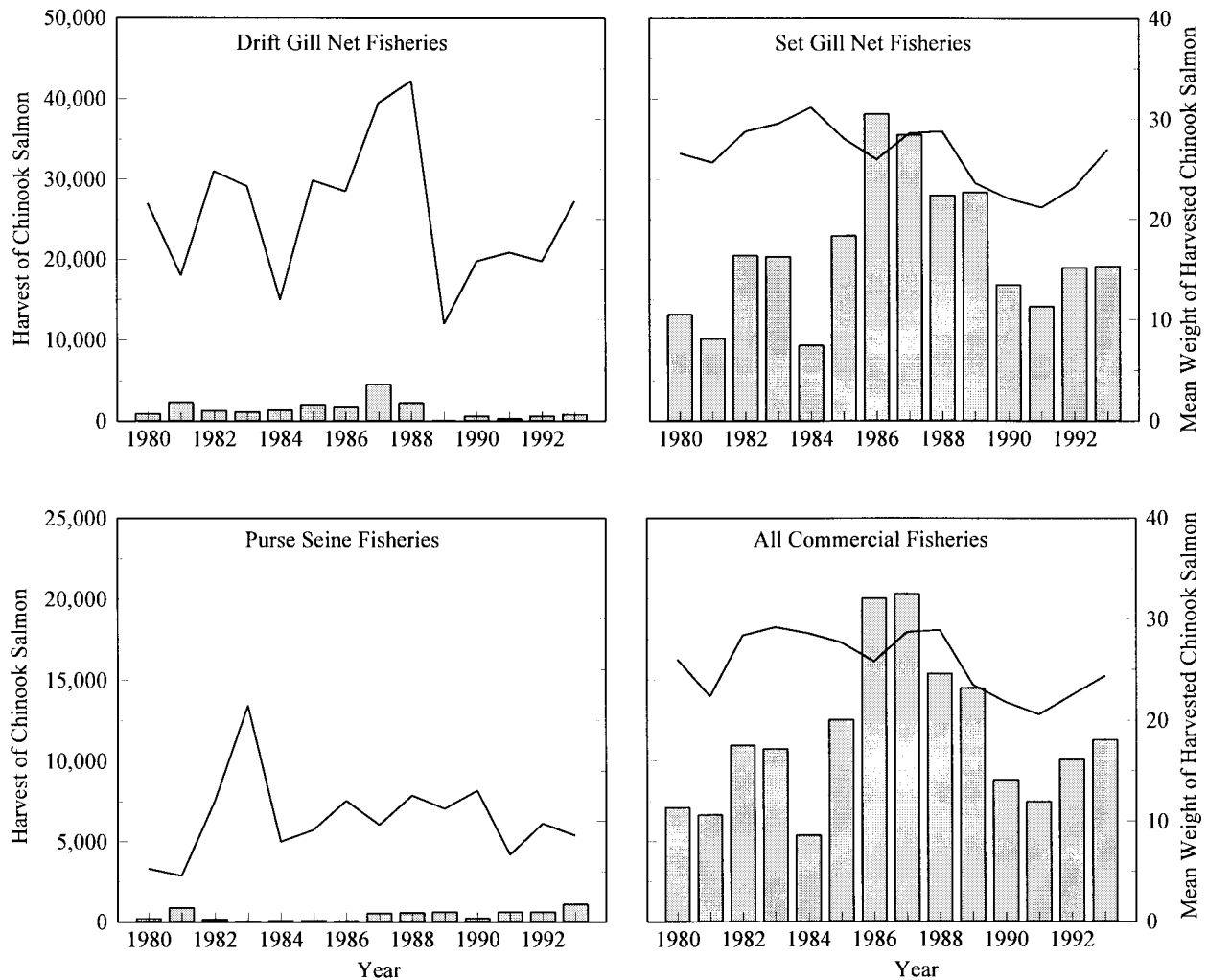


Figure 15. Harvests (numbers) of chinook salmon (bars), and mean weights of harvested chinook salmon (lines), from state managed commercial fisheries for salmon in Cook Inlet, 1980-1993.

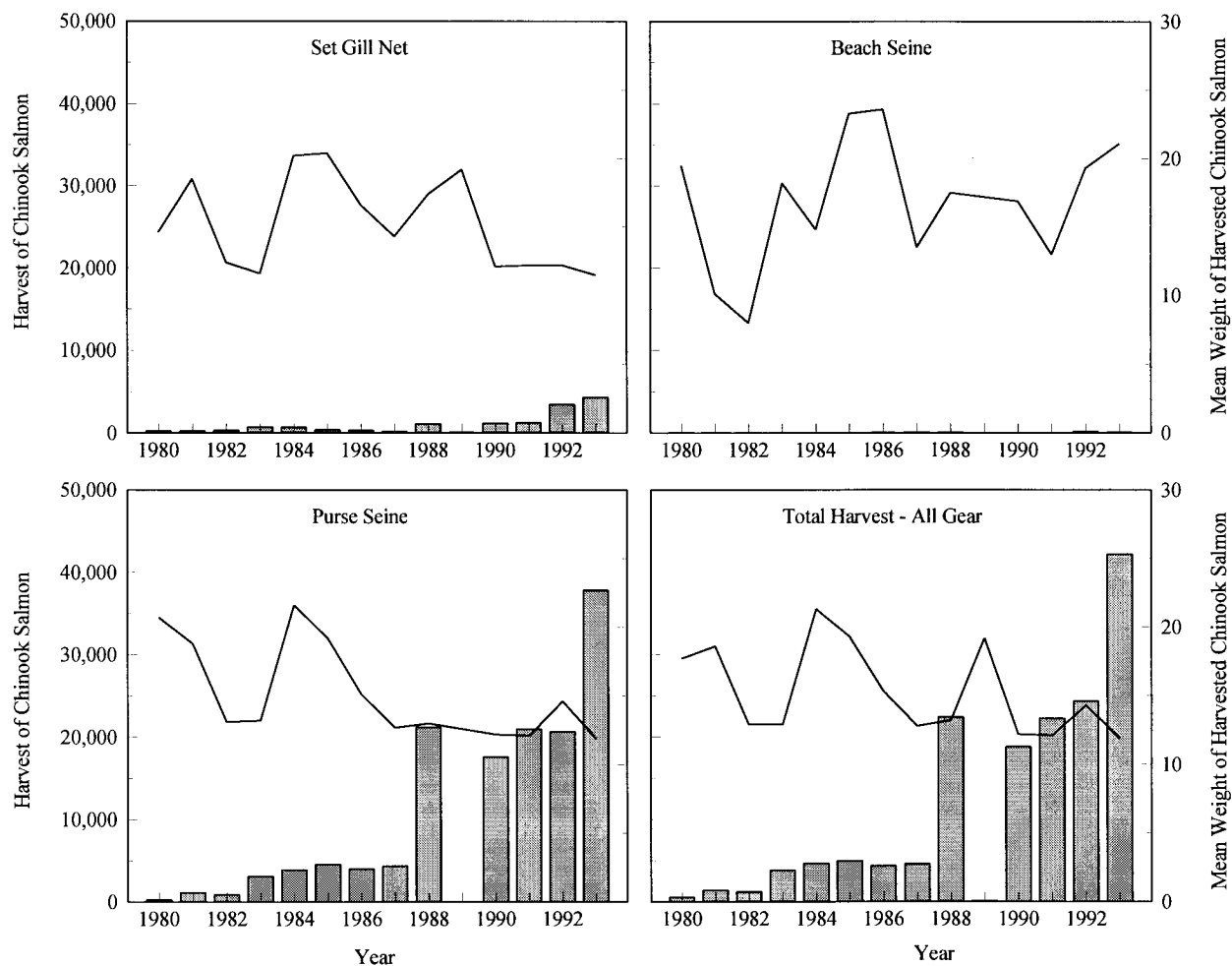


Figure 16. Total harvests (numbers) of chinook salmon (bars), and mean weights of harvested chinook salmon (lines), by gear type from state managed commercial fisheries for salmon in the Kodiak Area, 1980-1993.

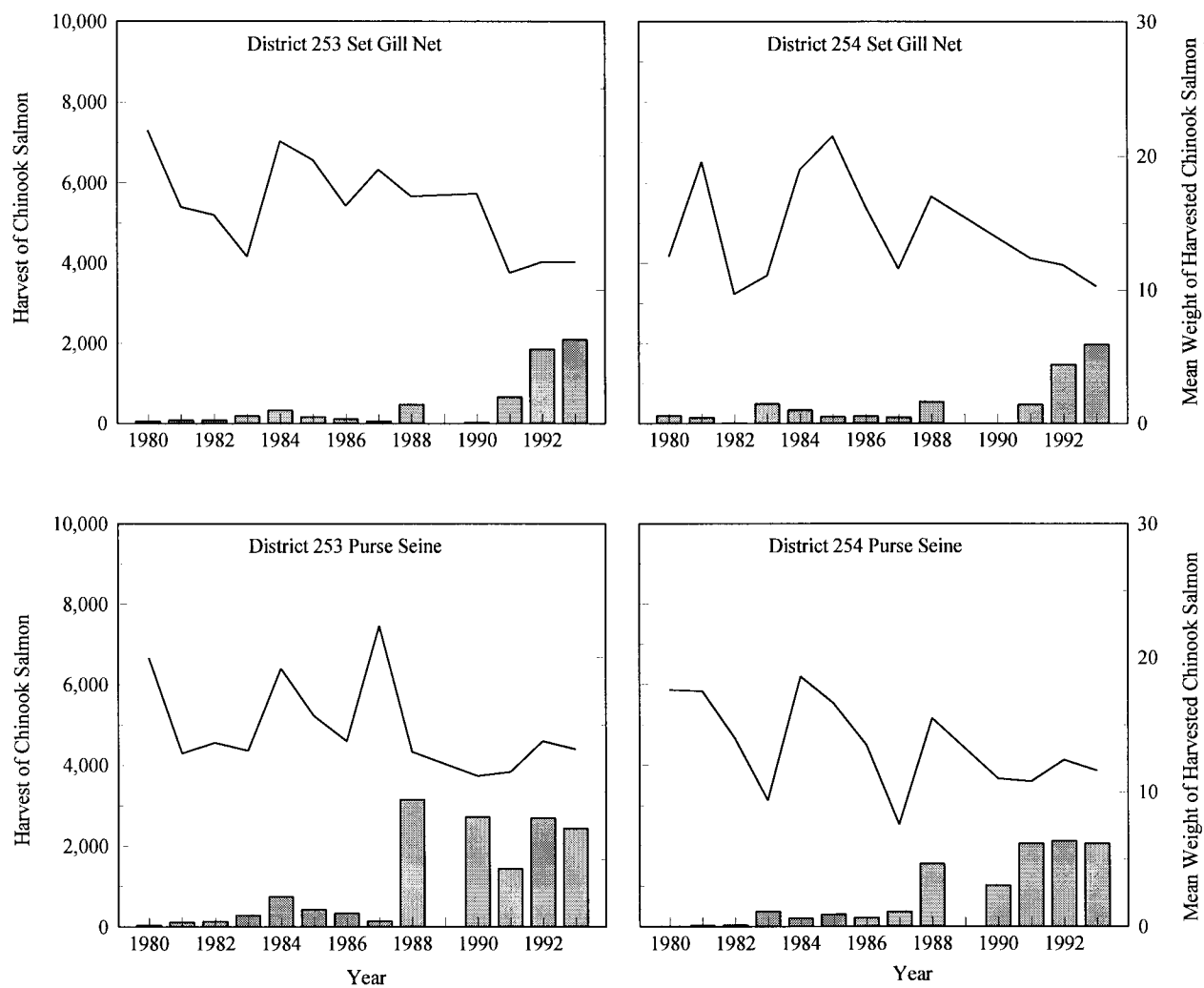


Figure 17. Harvests (numbers) of chinook salmon (bars), and mean weights of harvested chinook salmon (lines) from state managed set gill net and purse seine fisheries in districts 253 and 254 of the Kodiak Area, 1980-1993.

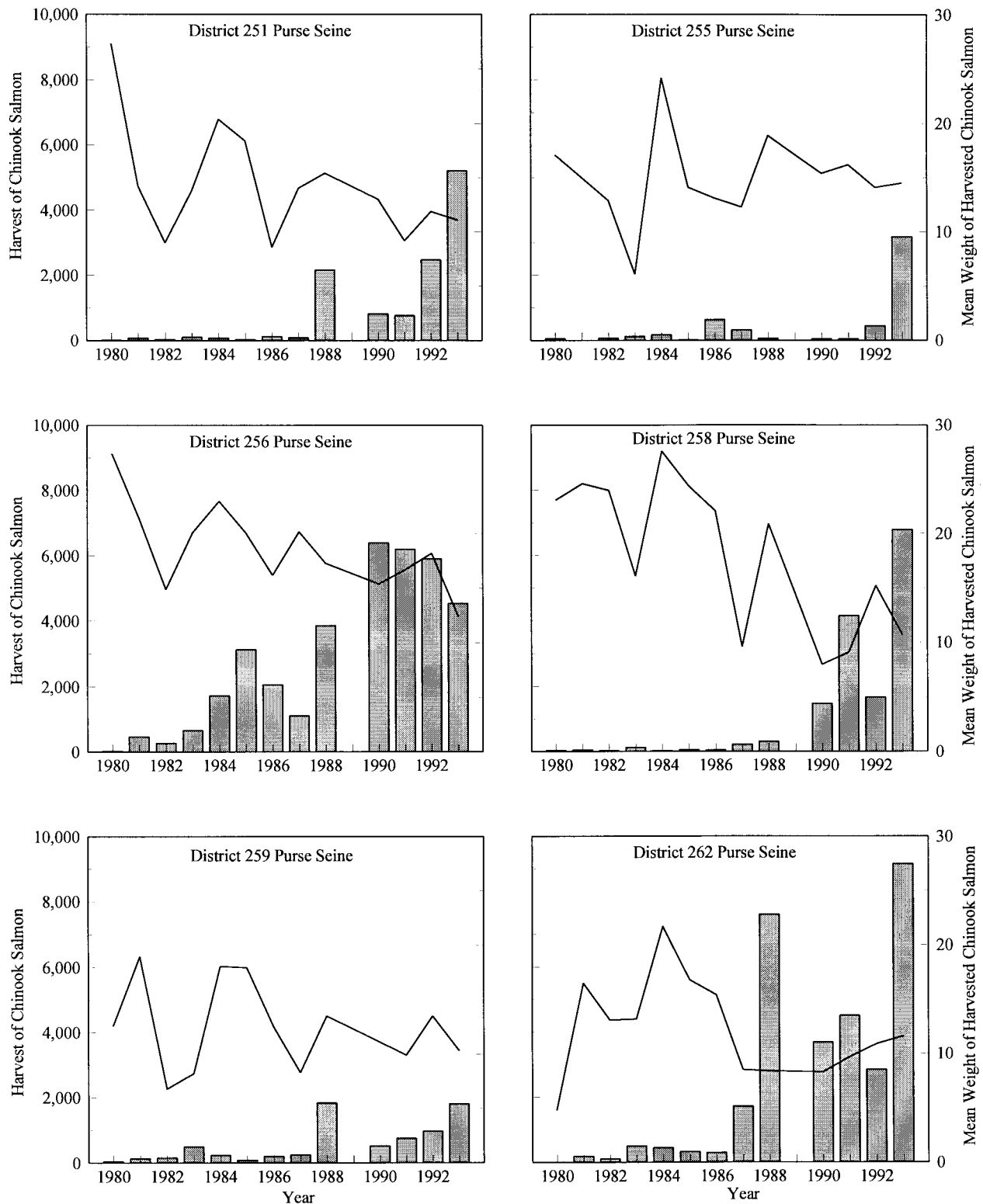


Figure 18. Harvests (numbers) of chinook salmon (bars), and mean weights of harvested chinook salmon (lines) from state managed commercial purse seine fisheries in districts 251, 255, 256, 258, 259, and 262 of the Kodiak Area, 1980-1993.

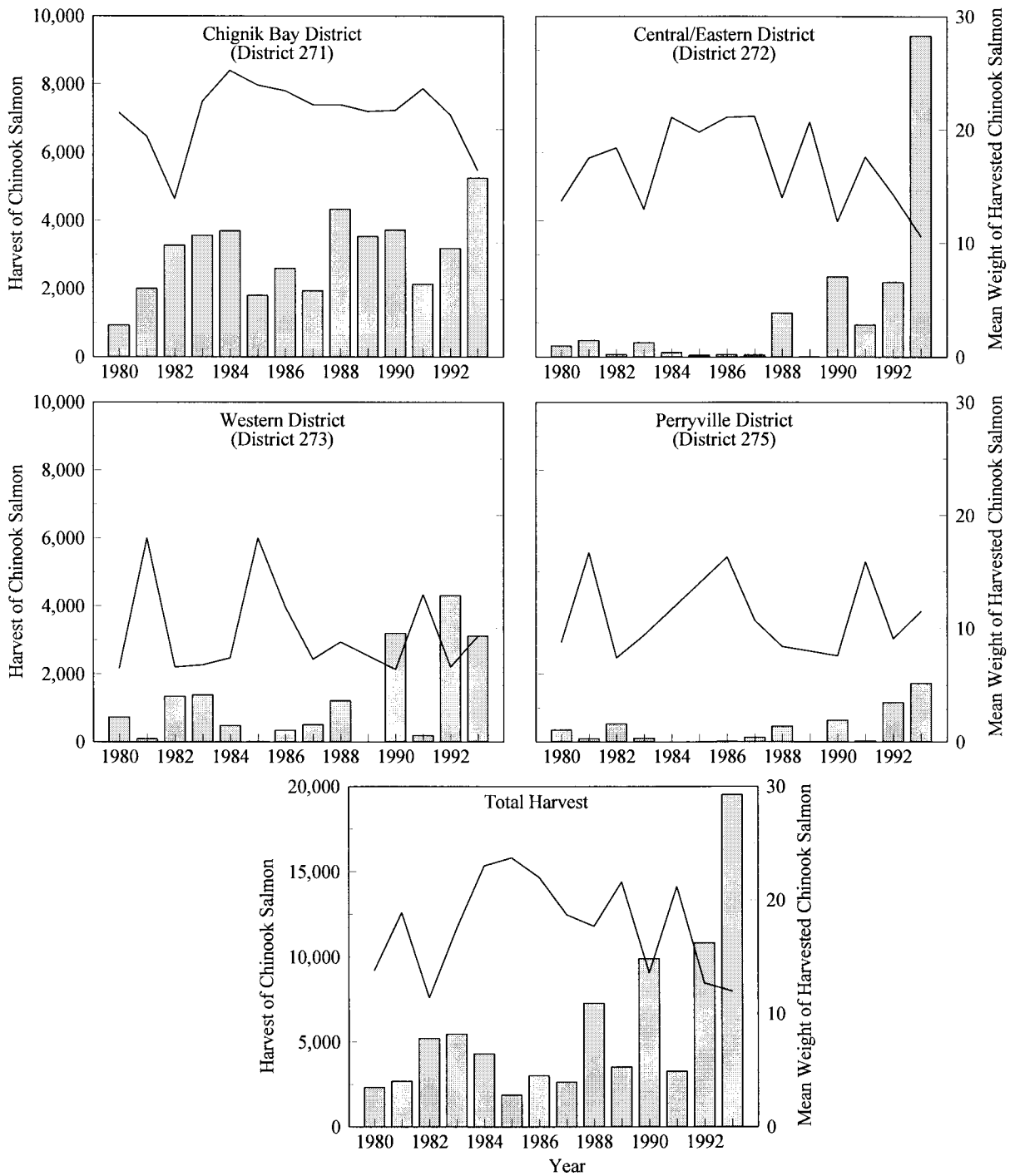


Figure 19. Harvests (numbers) of chinook salmon (bars), and mean weights of harvested chinook salmon (lines), from state managed commercial purse seine fisheries for salmon in the Chignik Area, 1980-1993.

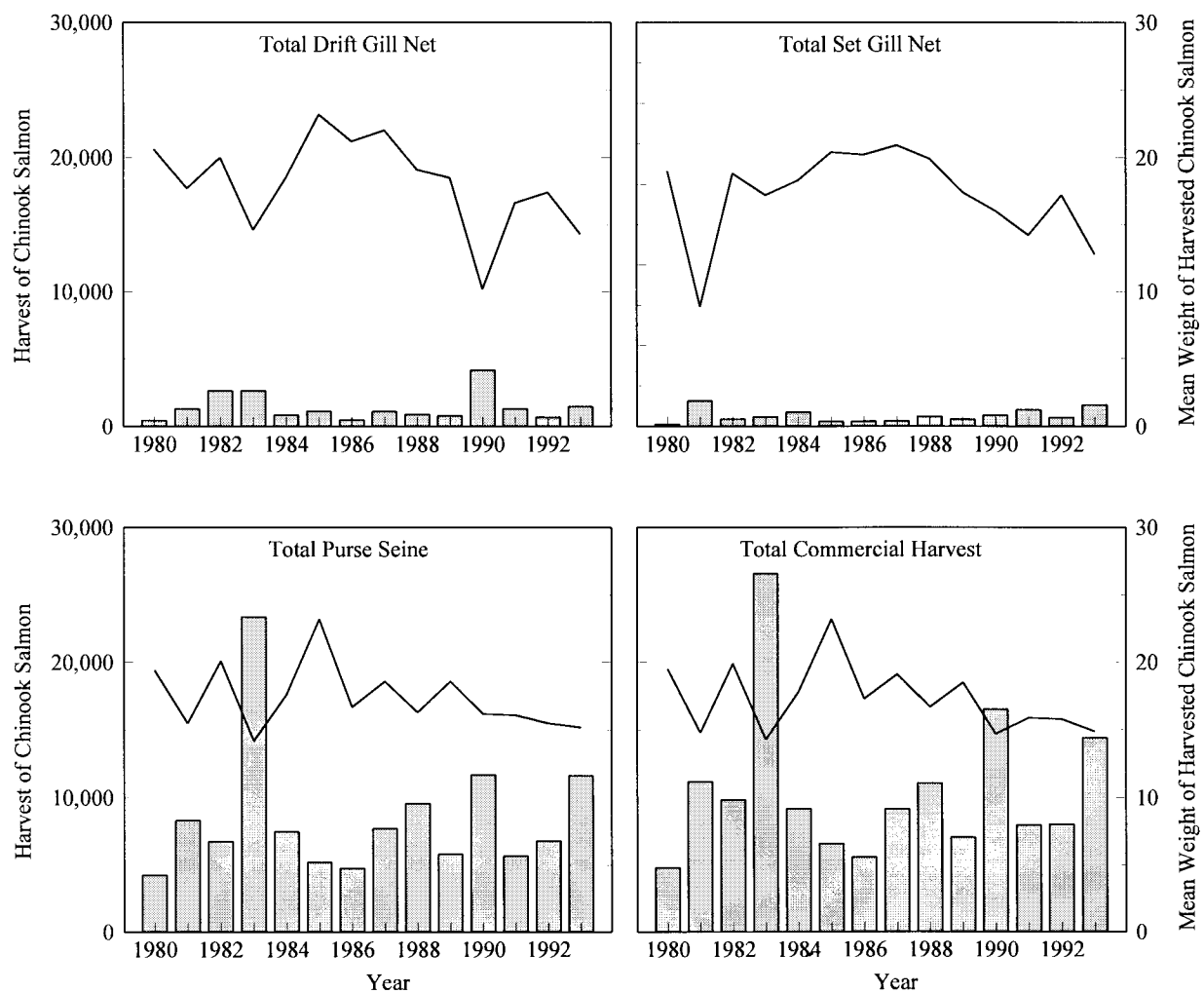


Figure 20. Harvests (numbers) of chinook salmon (bars), and mean weights of harvested chinook salmon (lines), by gear, from state managed commercial fisheries for salmon in the South Peninsula Area, 1980-1993.

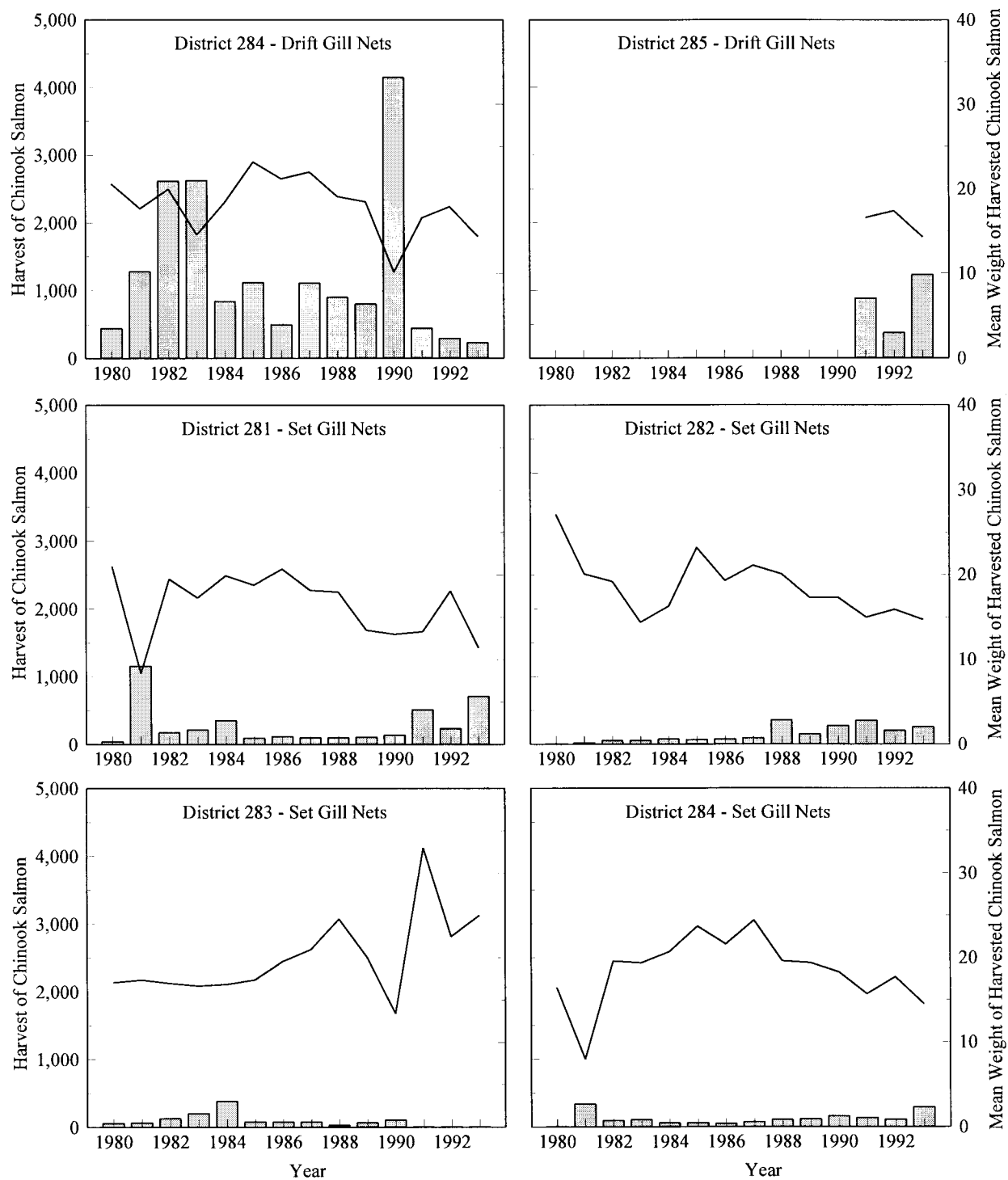


Figure 21. Harvests (numbers) of chinook salmon (bars), and mean weights of harvested chinook salmon (lines) from state managed commercial gill net fisheries for salmon in the South Peninsula Area, 1980-1993.

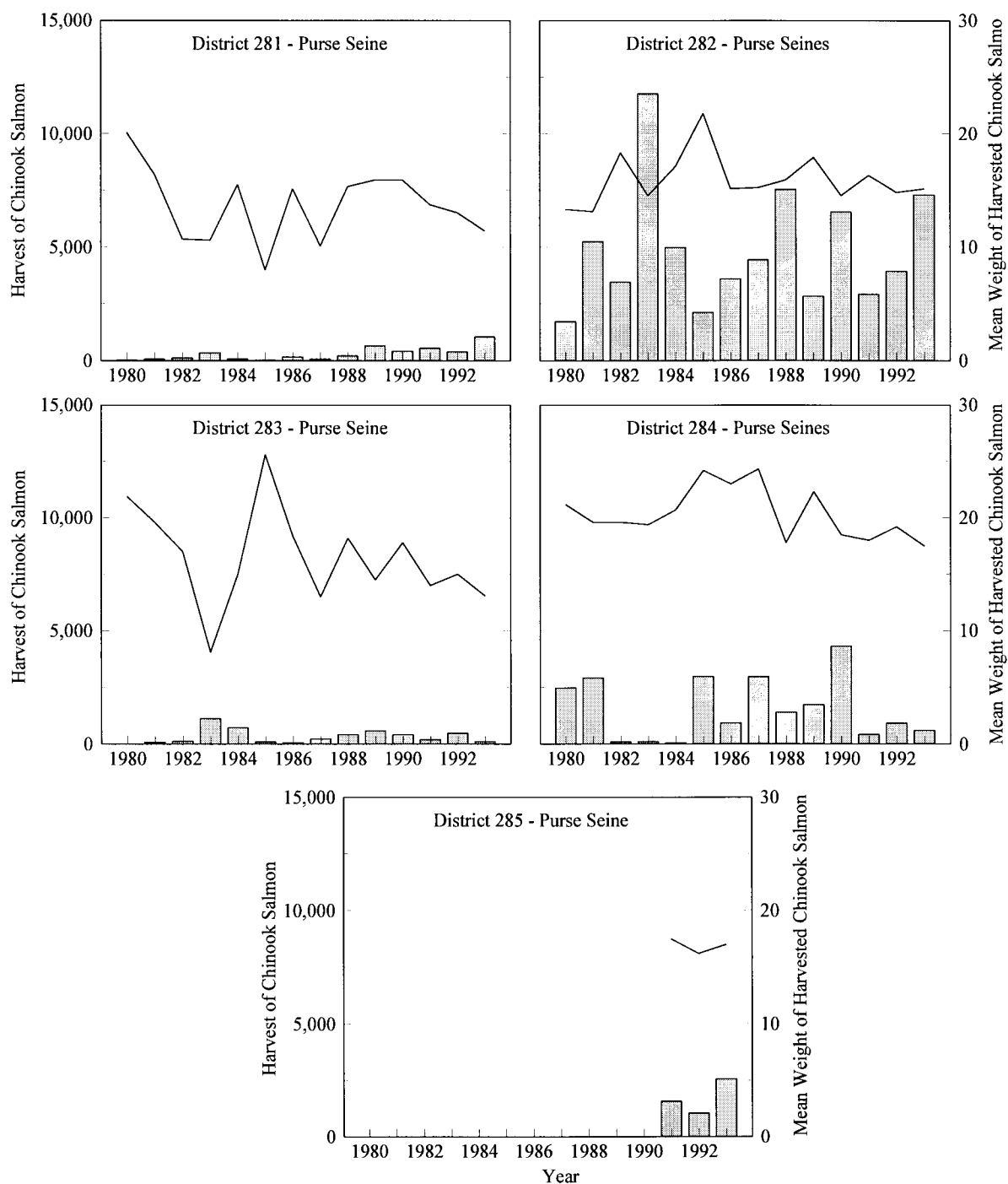


Figure 22. Harvests (numbers) of chinook salmon (bars), and mean weights of harvested chinook salmon (lines) from state managed commercial purse seine fisheries for salmon in the South Peninsula Area, 1980-1993.

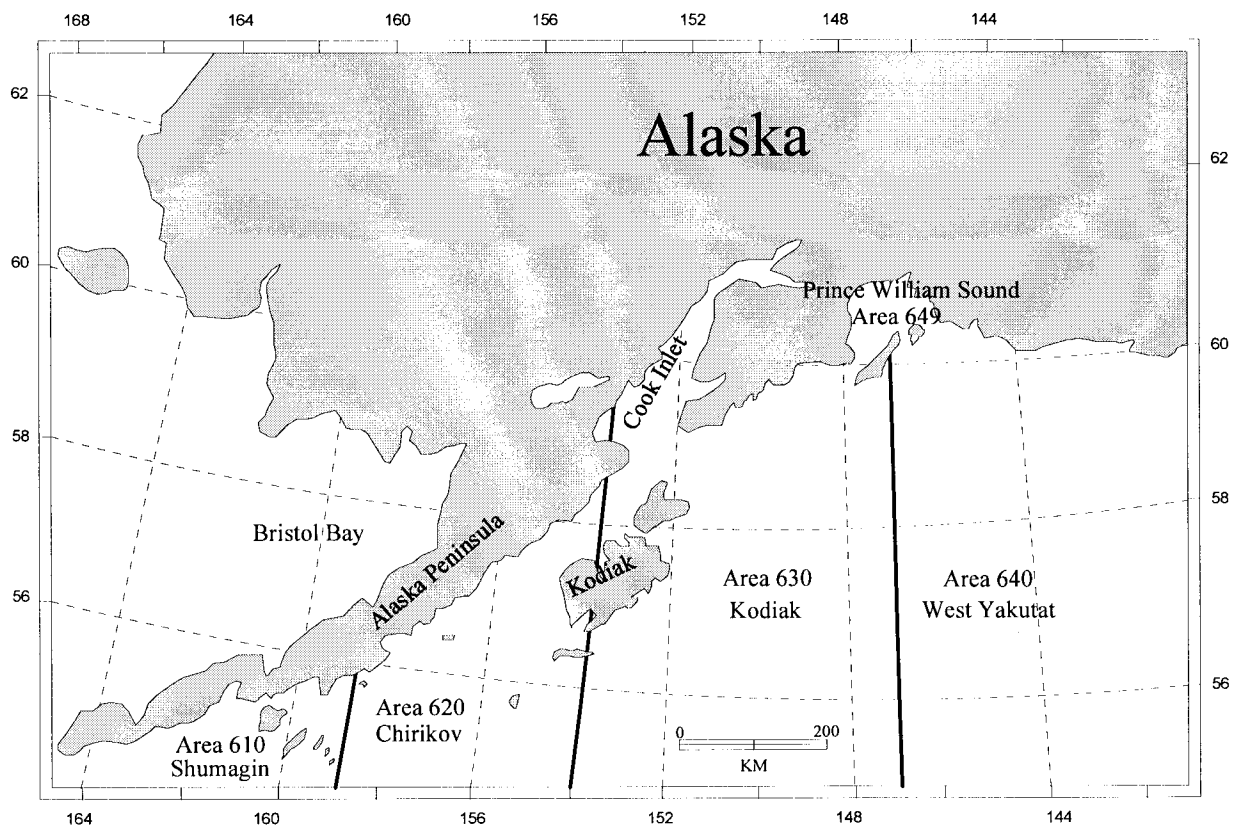


Figure 23. Map of southcentral Alaska, showing National Marine Fisheries Service reporting areas 610-649.

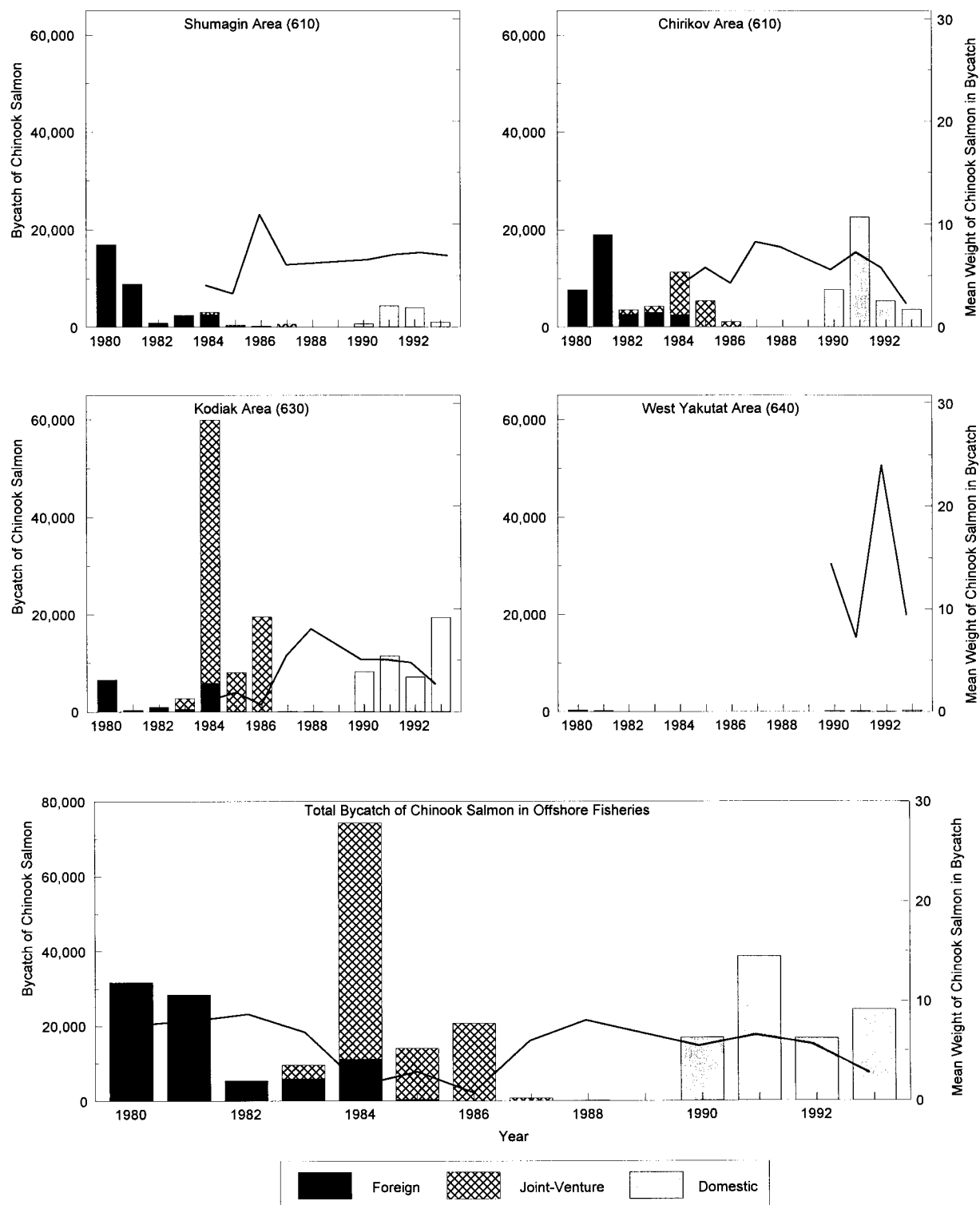


Figure 24. Bycatch (numbers) of chinook salmon (bars), and mean weight of chinook salmon (lines) in bycatches, from federally managed groundfish fisheries in southcentral Alaska, 1980-1993.

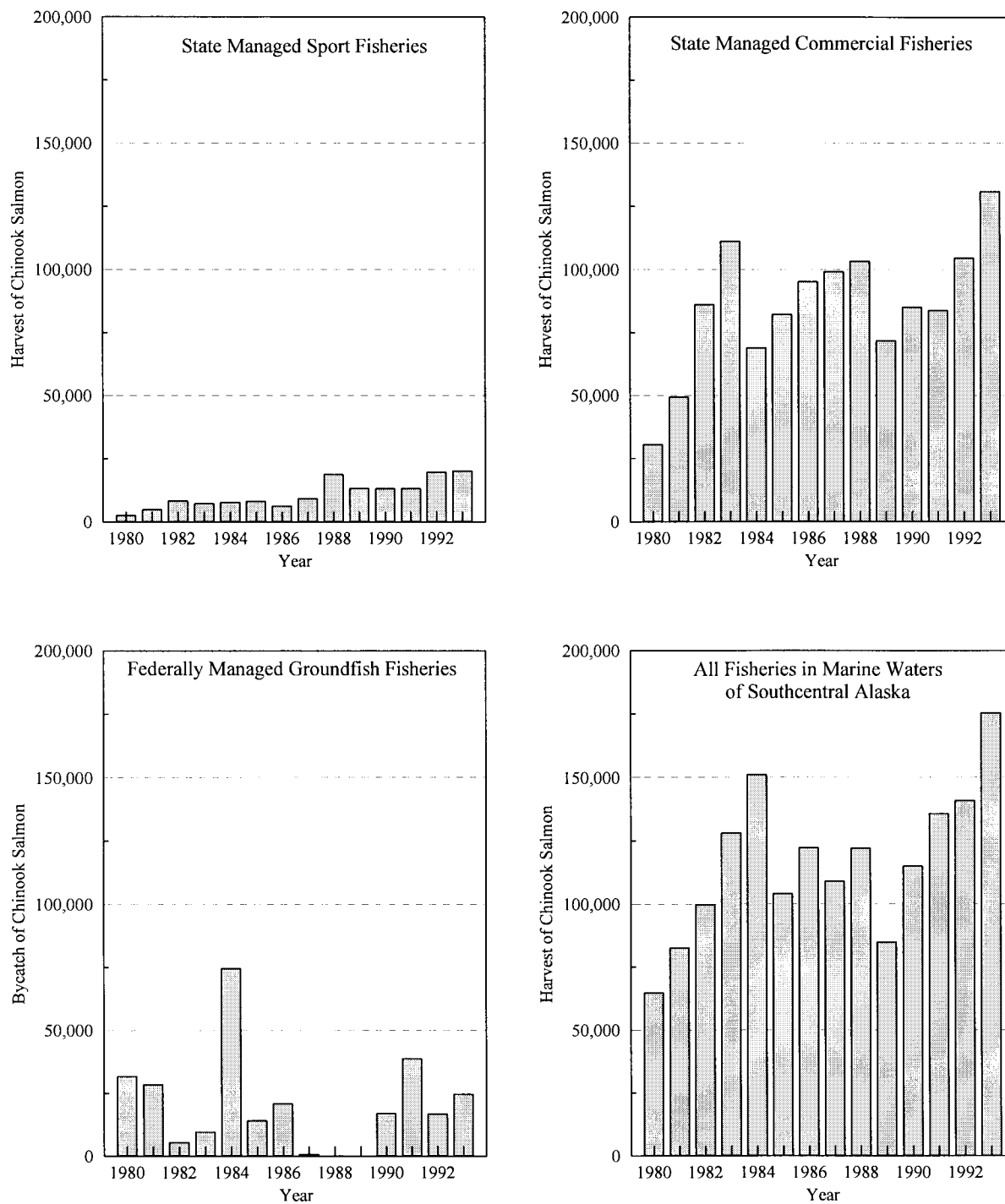


Figure 25. Total harvest of chinook salmon (numbers) in state managed sport fisheries, state managed commercial fisheries, federally managed groundfish fisheries, and all marine fisheries of southcentral Alaska, 1980-1993.

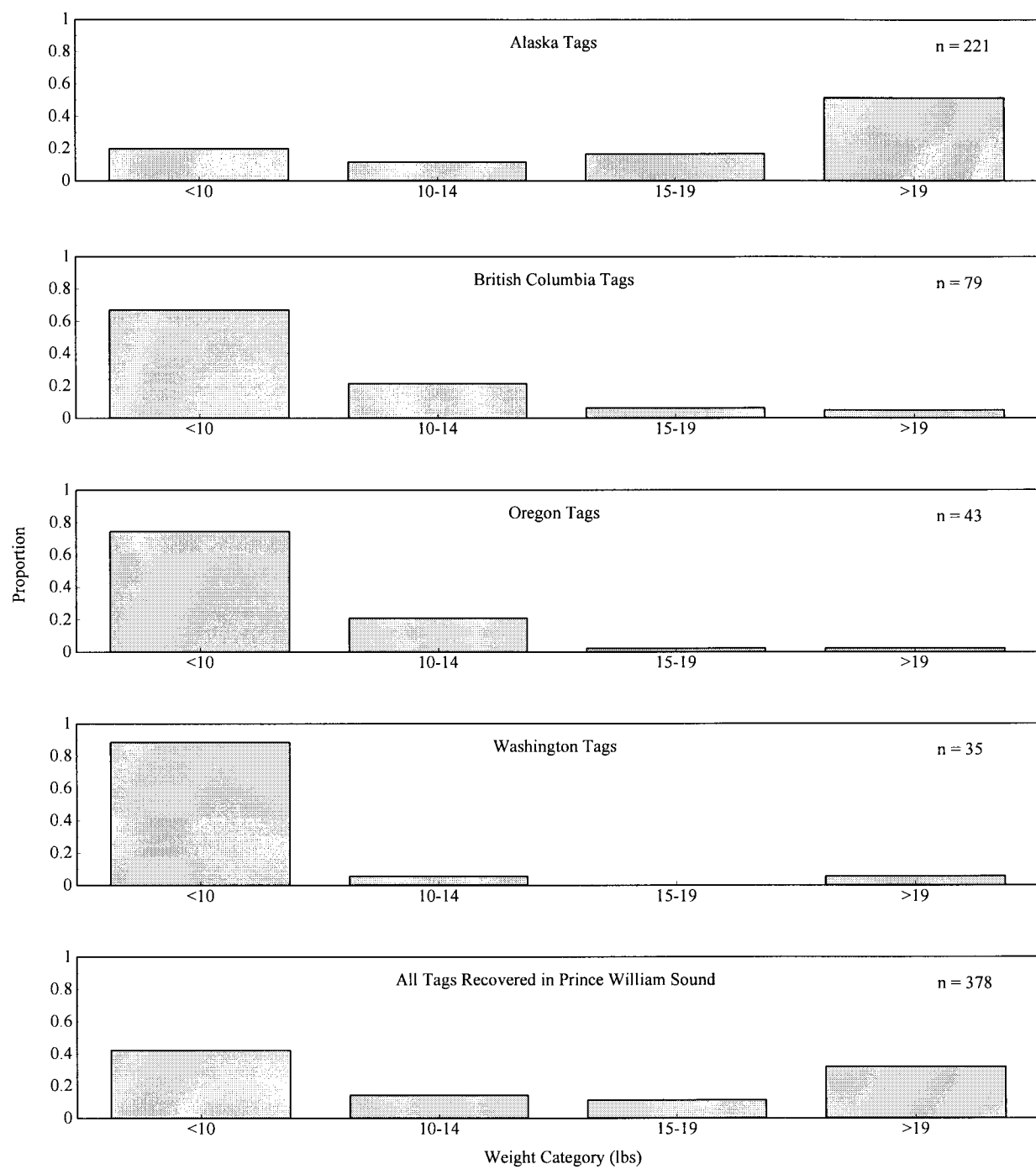


Figure 26. Proportion of chinook salmon recovered with coded wire tags from all state managed sport and commercial fisheries in Prince William Sound in four weight categories, 1980-1993.

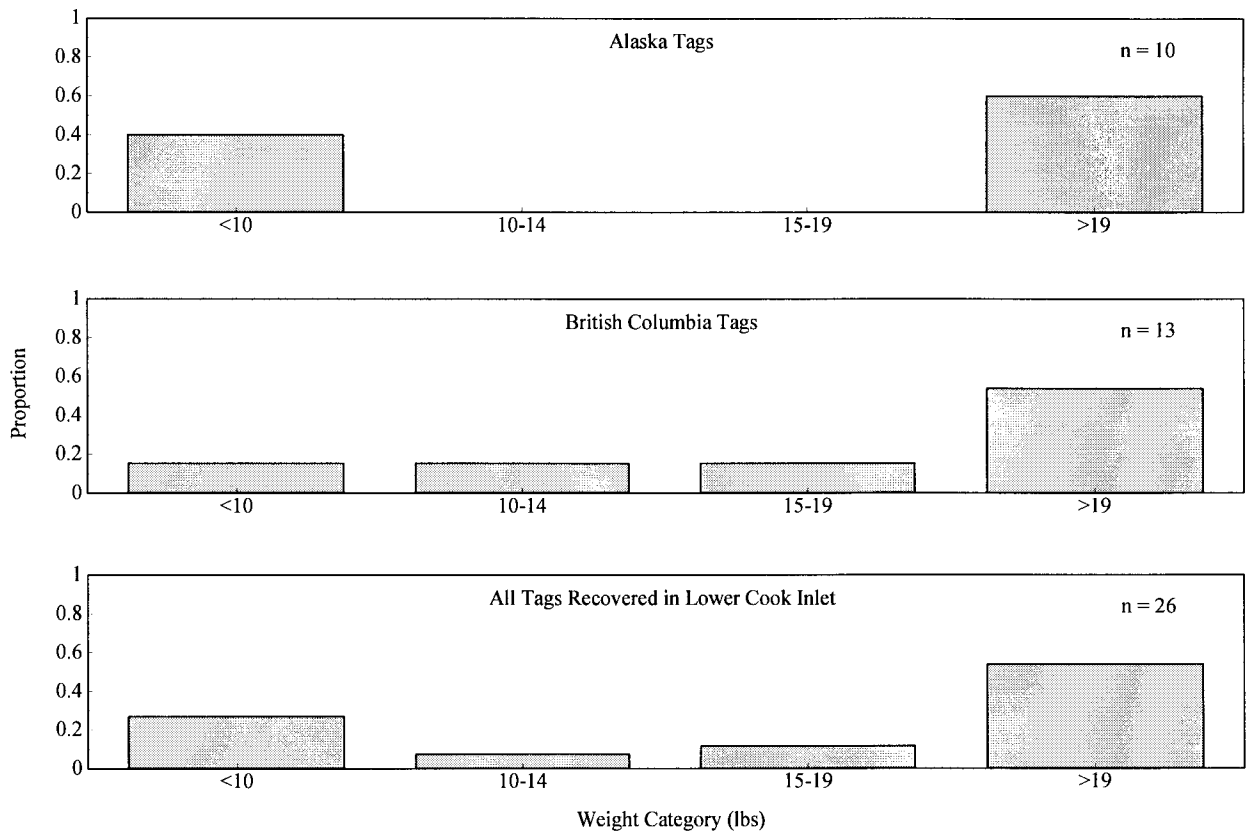


Figure 27. Proportion of chinook salmon recovered with coded wire tags from all state managed sport and commercial fisheries in Lower Cook Inlet in four weight categories, 1980-1993.

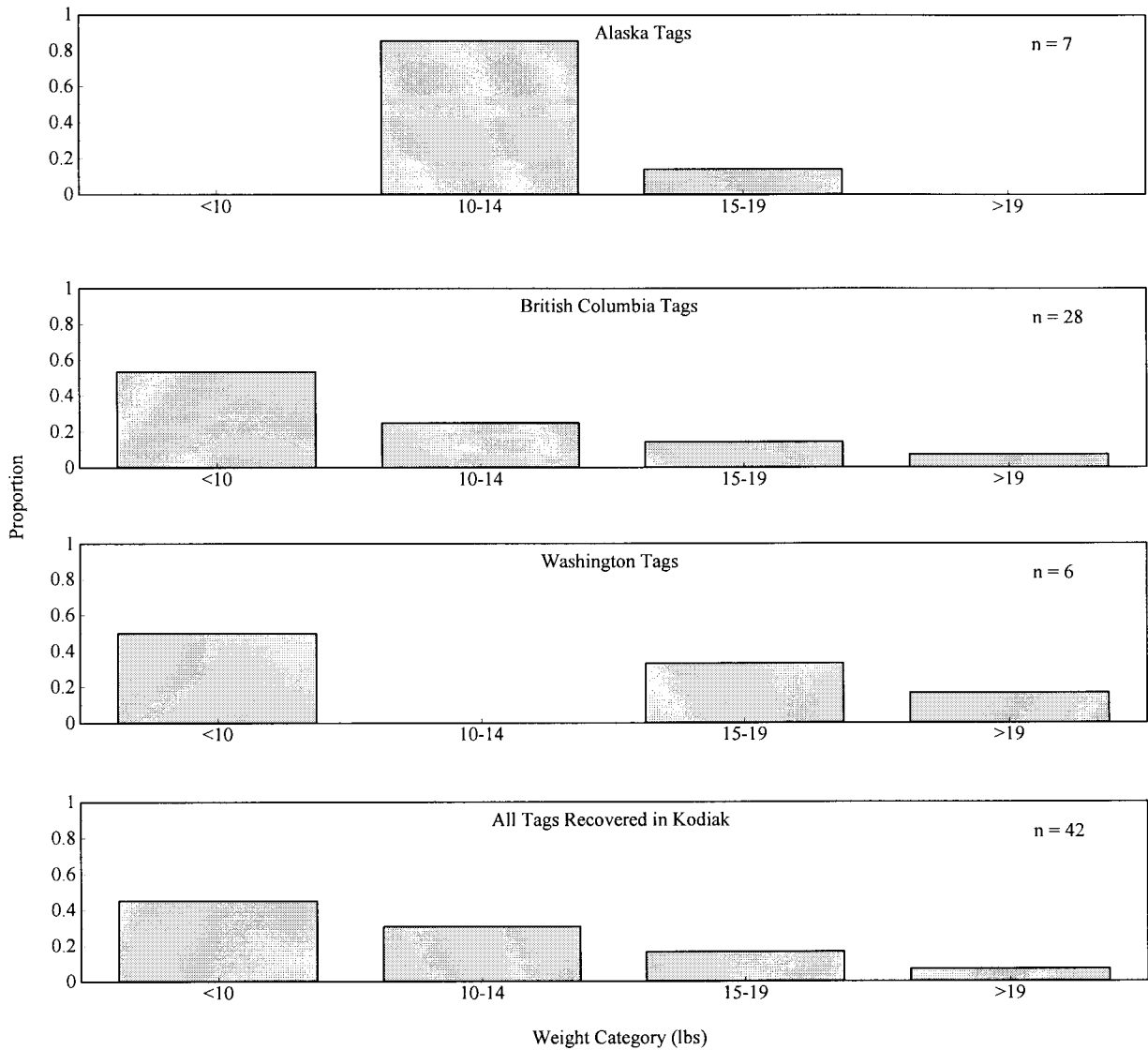


Figure 28. Proportion of chinook salmon recovered with coded wire tags from all state managed sport and commercial fisheries in the Kodiak Area in four weight categories, 1980-1993.

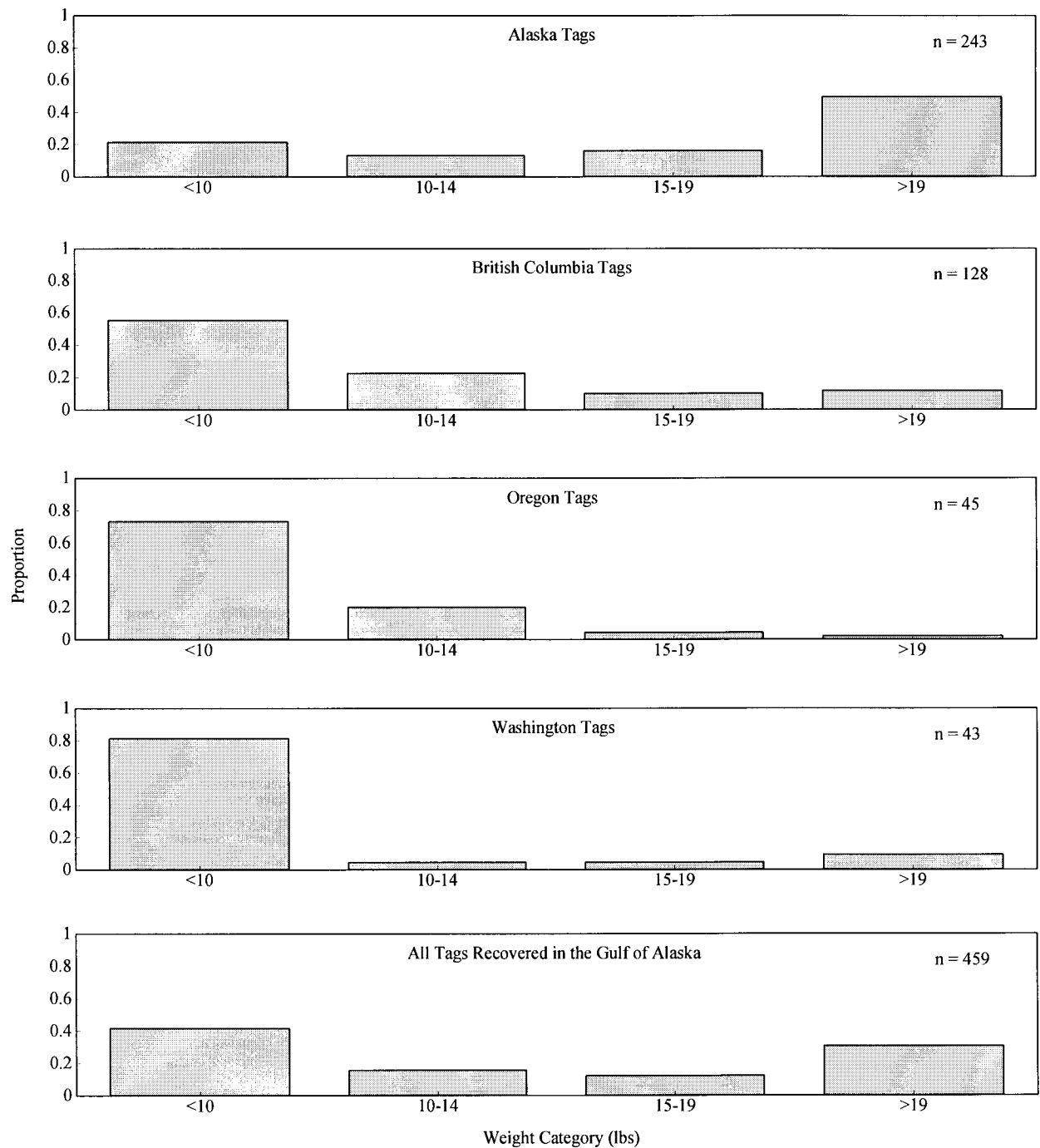


Figure 29. Proportion of chinook salmon recovered with coded wire tags from all state managed sport and commercial fisheries in marine waters of southcentral Alaska in four weight categories, 1980-1993.

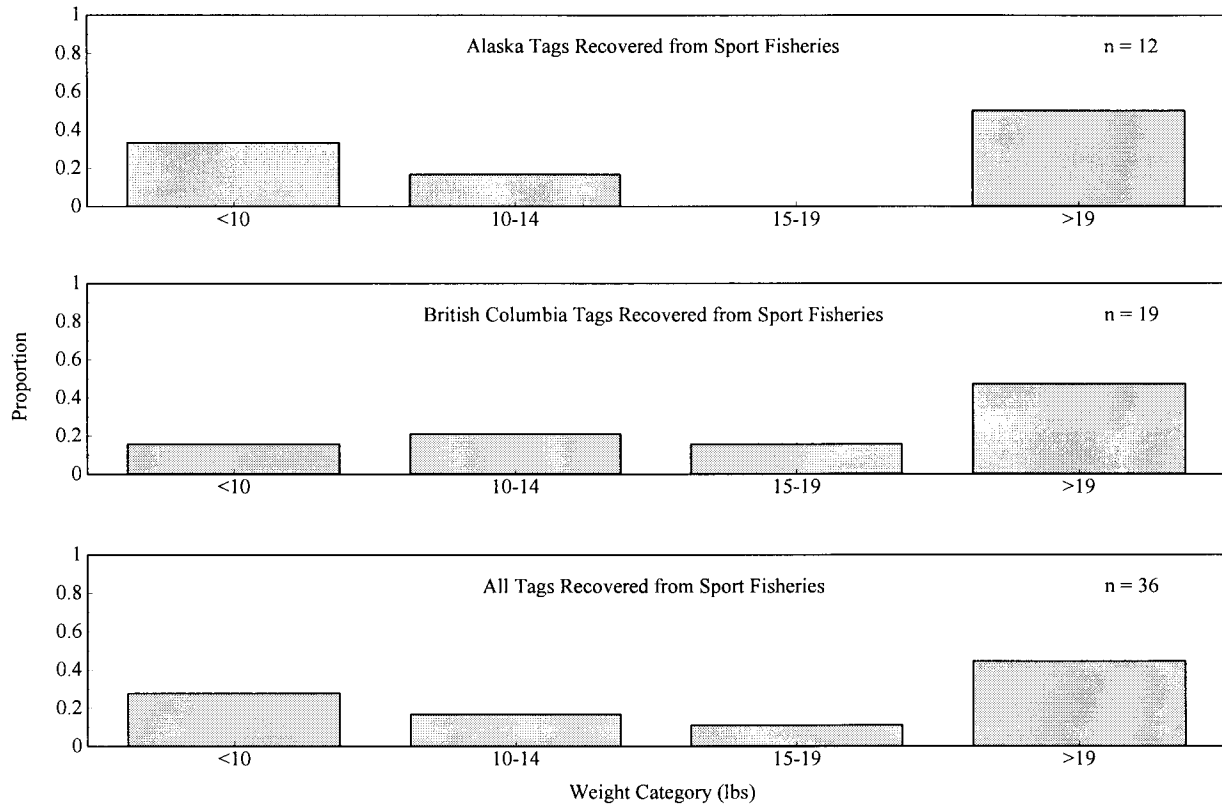


Figure 30. Proportion of chinook salmon recovered with coded wire tags from all state managed sport fisheries in marine waters of southcentral Alaska in four weight categories, 1980-1993.

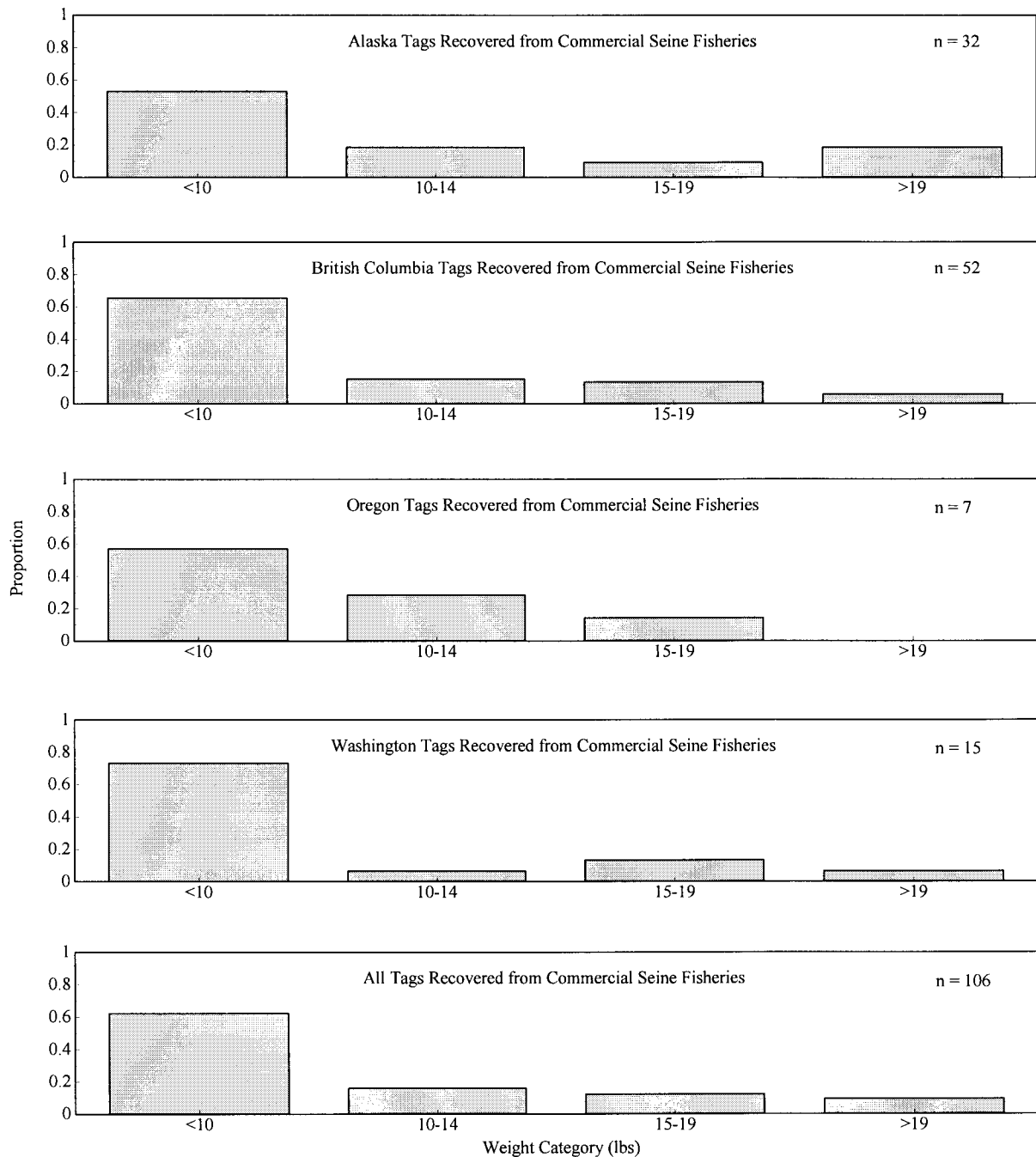


Figure 31. Proportion of chinook salmon recovered with coded wire tags from all state managed commercial purse seine fisheries for salmon in marine waters of southcentral Alaska in four weight categories, 1980-1993.

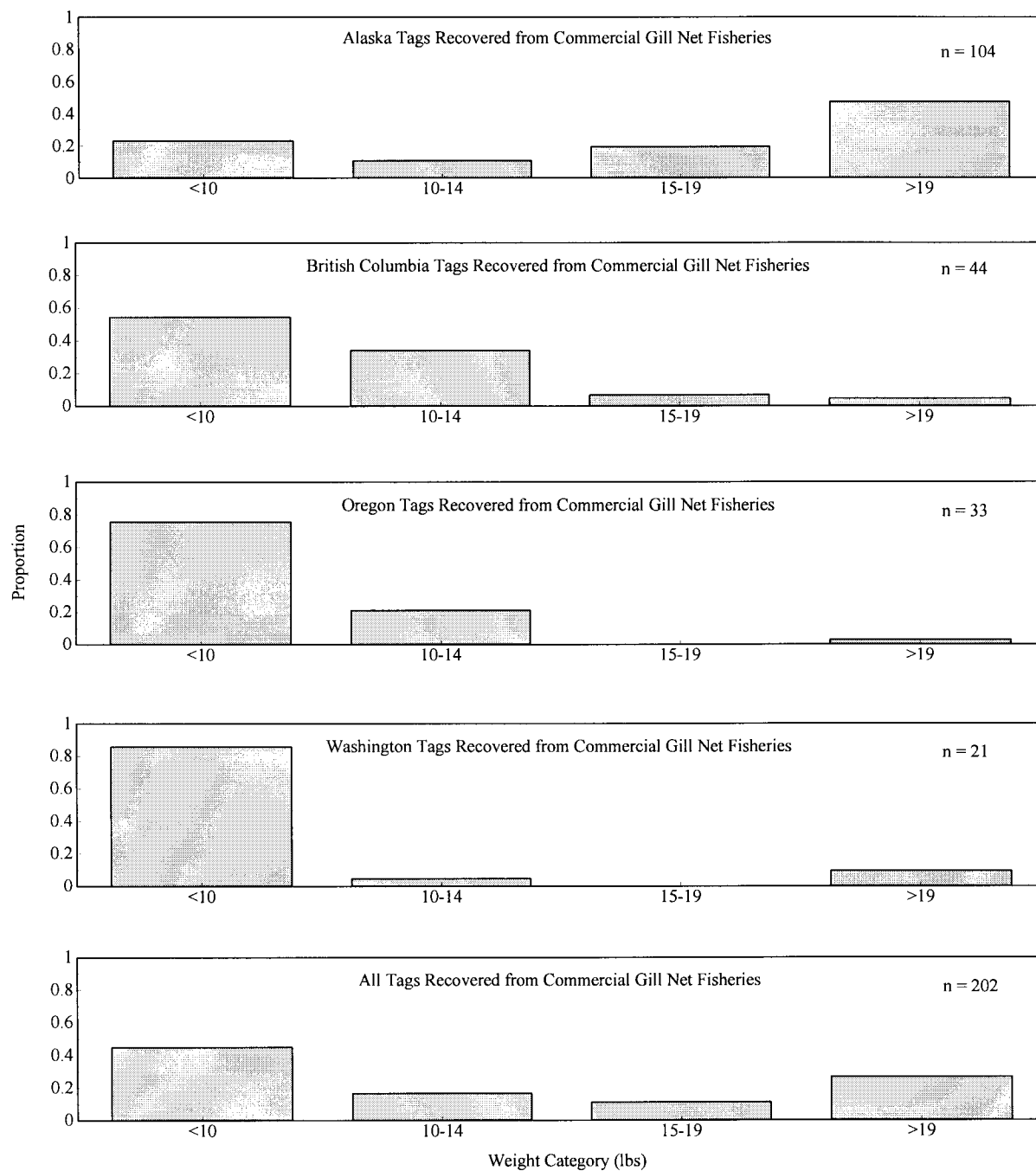


Figure 32. Proportion of chinook salmon recovered with coded wire tags from all state managed commercial gill net fisheries for salmon in marine waters of southcentral Alaska in four weight categories, 1980-1993.

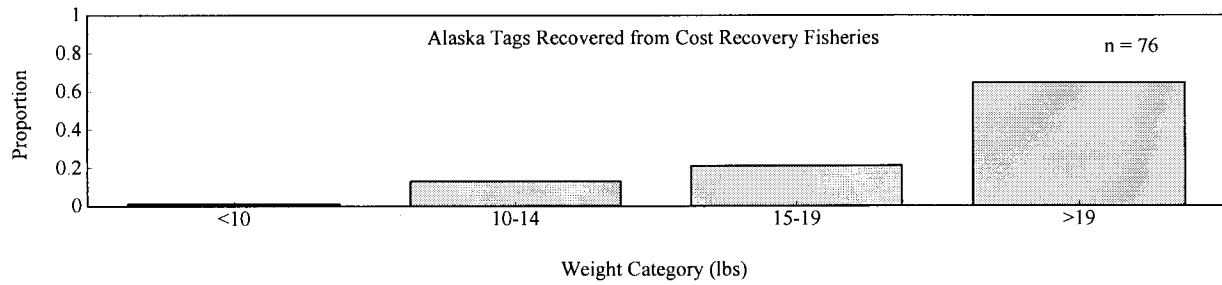


Figure 33. Proportion of chinook salmon recovered with coded wire tags from all cost recovery fisheries for salmon in marine waters of southcentral Alaska in four weight categories, 1980-1993.

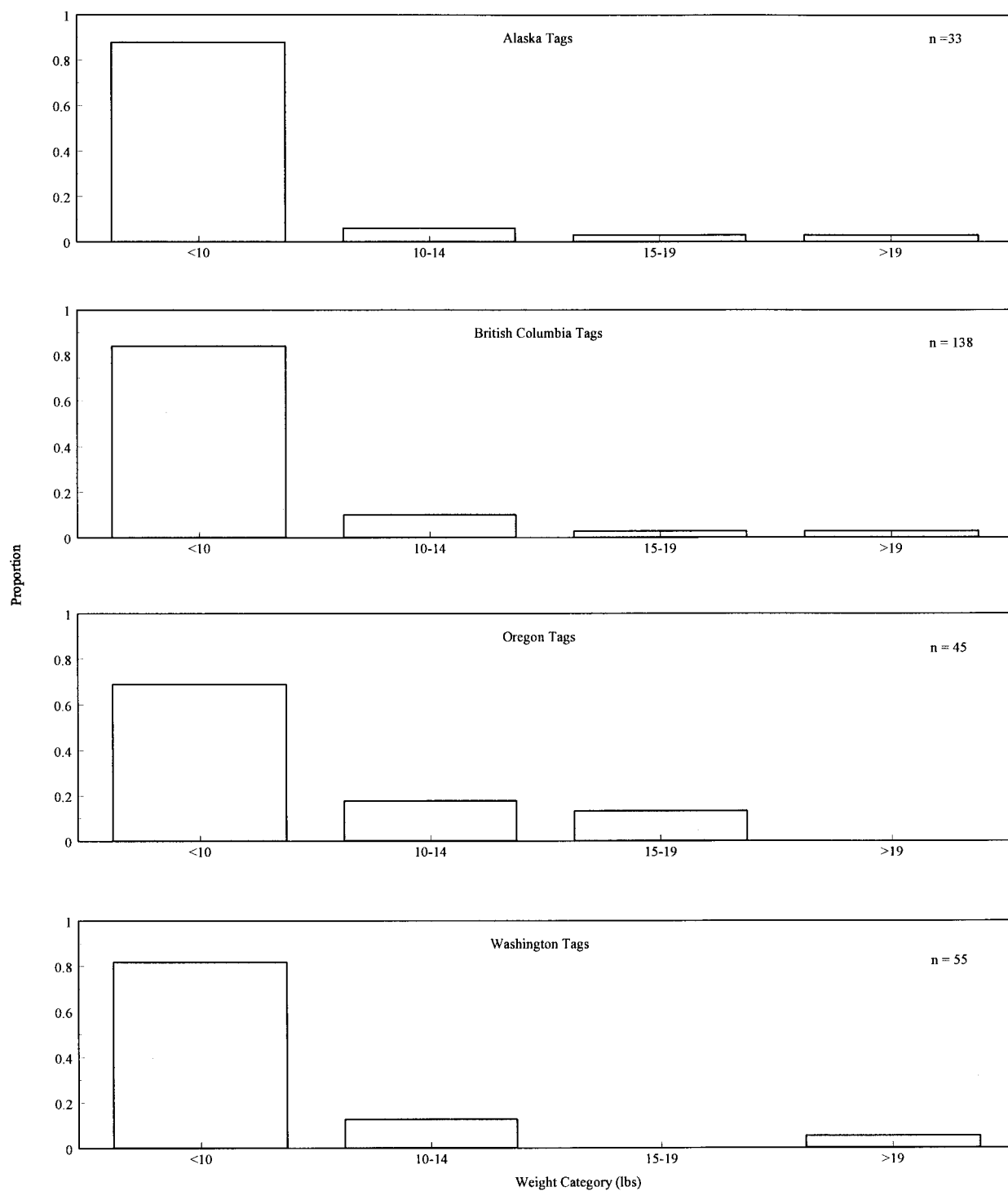


Figure 34. Proportion of chinook salmon recovered with coded wire tags from federally managed commercial groundfish fisheries in the West Yakutat Area (630) of southcentral Alaska in four weight categories, 1980-1993.

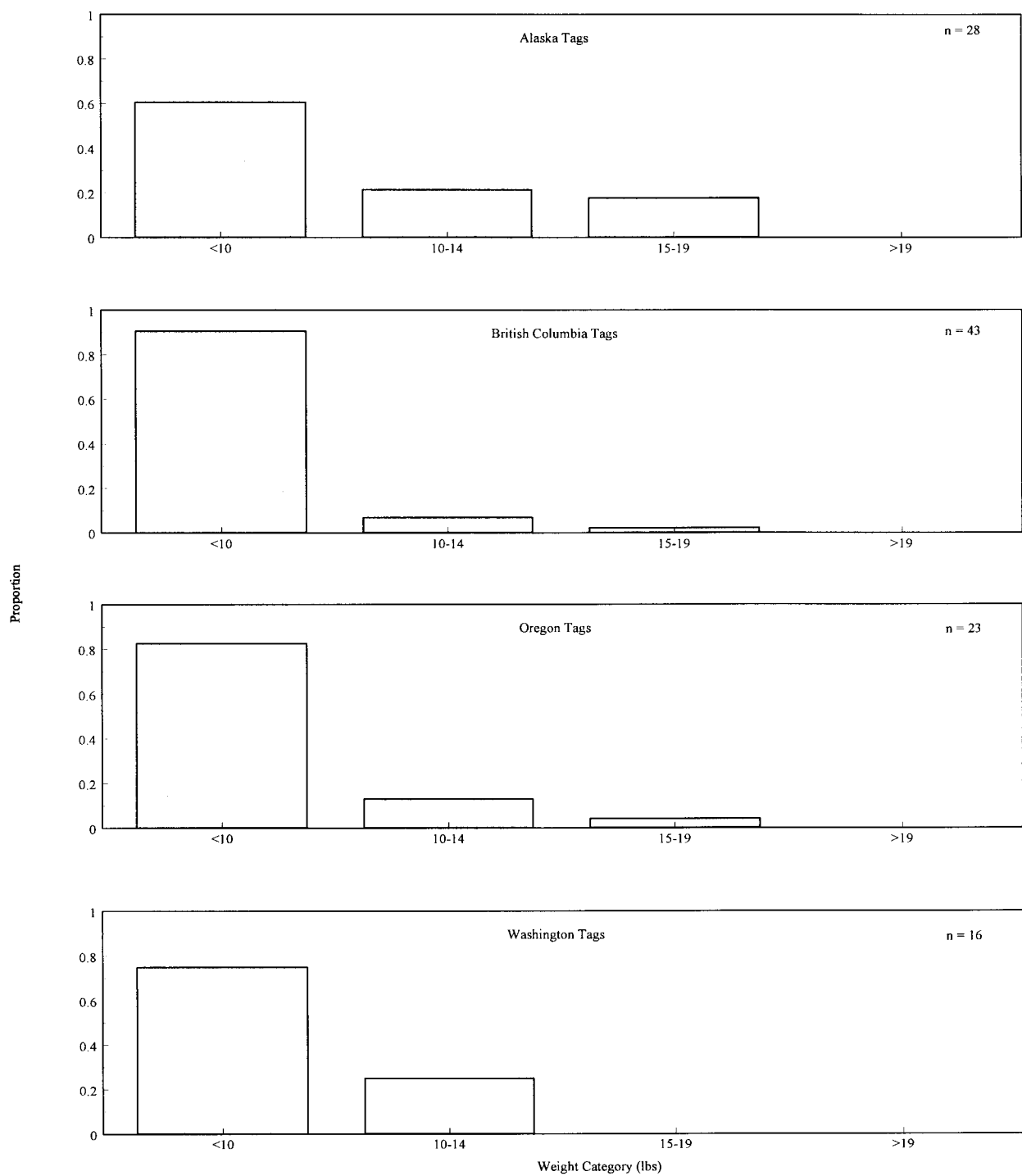


Figure 35. Proportion of chinook salmon recovered with coded wire tags from federally managed commercial groundfish fisheries in the Chirikov Area (620) of southcentral Alaska in four weight categories, 1980-1993.

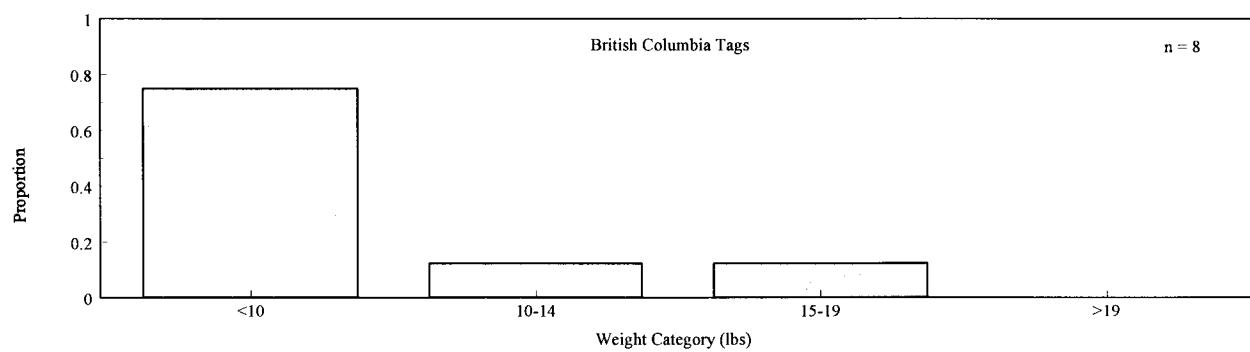


Figure 36. Proportion of chinook salmon recovered with coded wire tags from federally managed commercial groundfish fisheries in the Shumagin Area (610) of southcentral Alaska in four weight categories, 1980-1993.

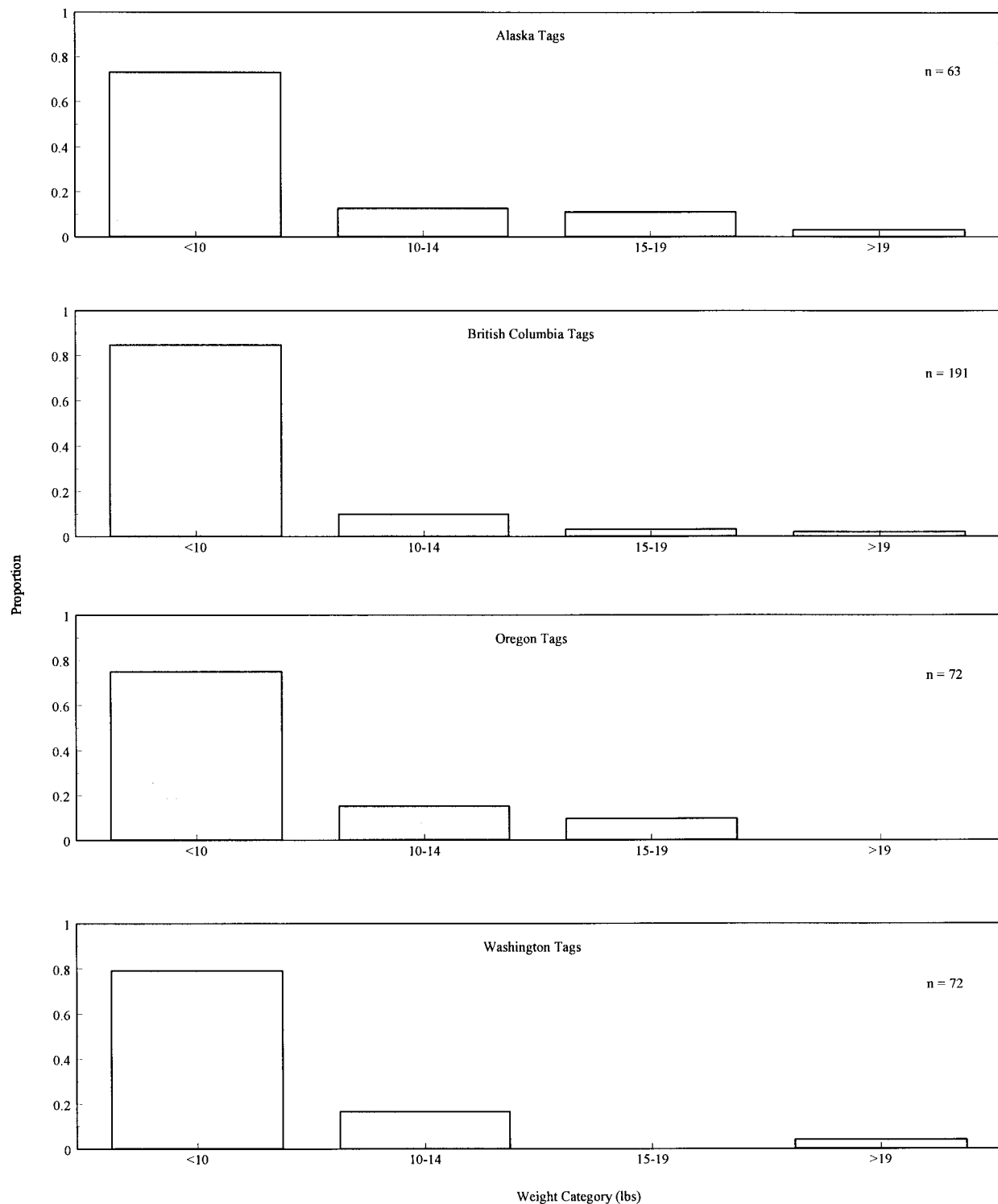


Figure 37. Proportion of chinook salmon recovered with coded wire tags from all federally managed commercial groundfish fisheries of southcentral Alaska in four weight categories, 1980-1993.

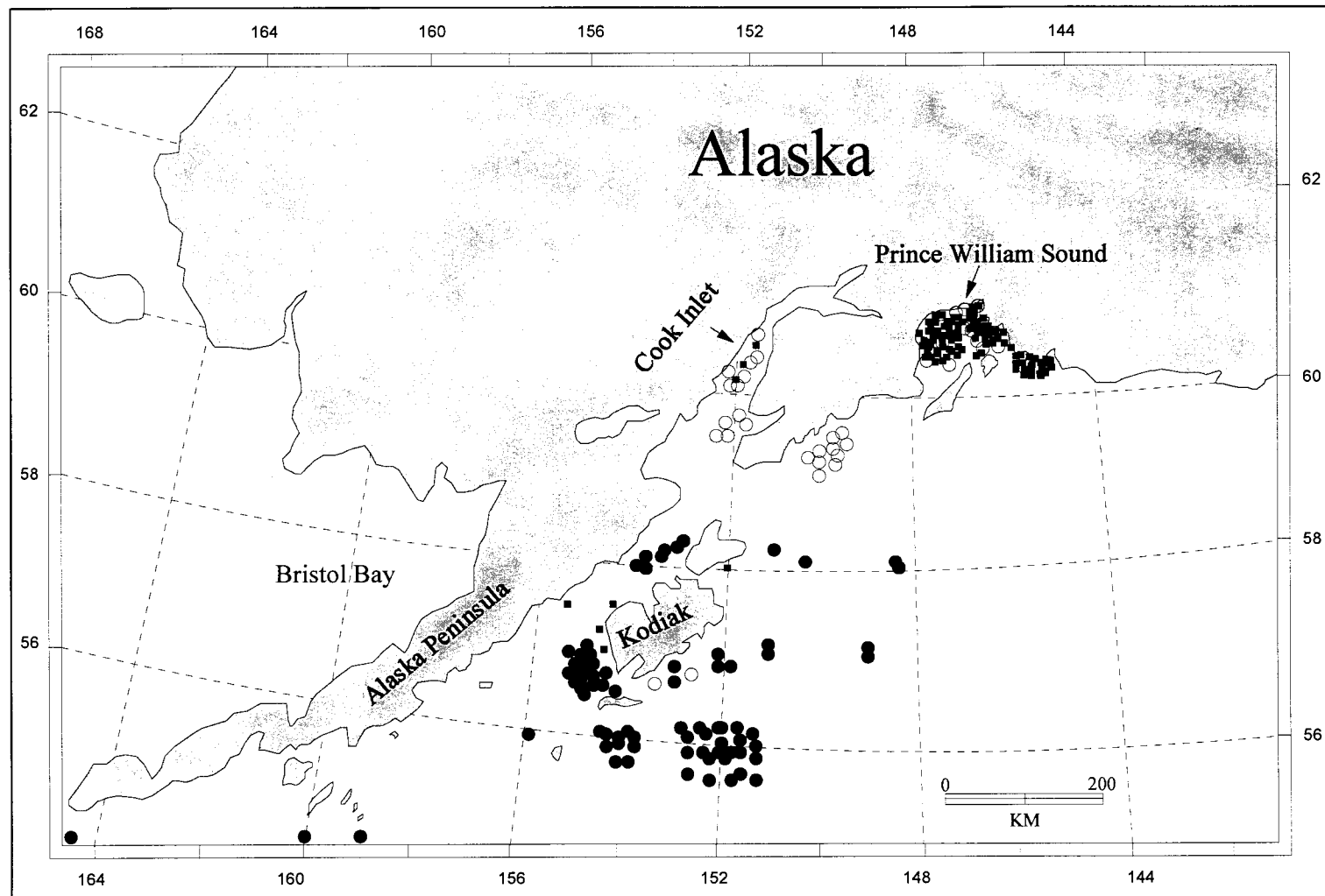


Figure 38. Approximate locations of chinook salmon of Alaska origin recovered with coded wire tags, 1980-1993. Solid circles are tags recovered from federally managed groundfish fisheries; solid squares are tags recovered from state managed commercial fisheries for salmon; hollow circles are tags recovered from state managed sport fisheries.

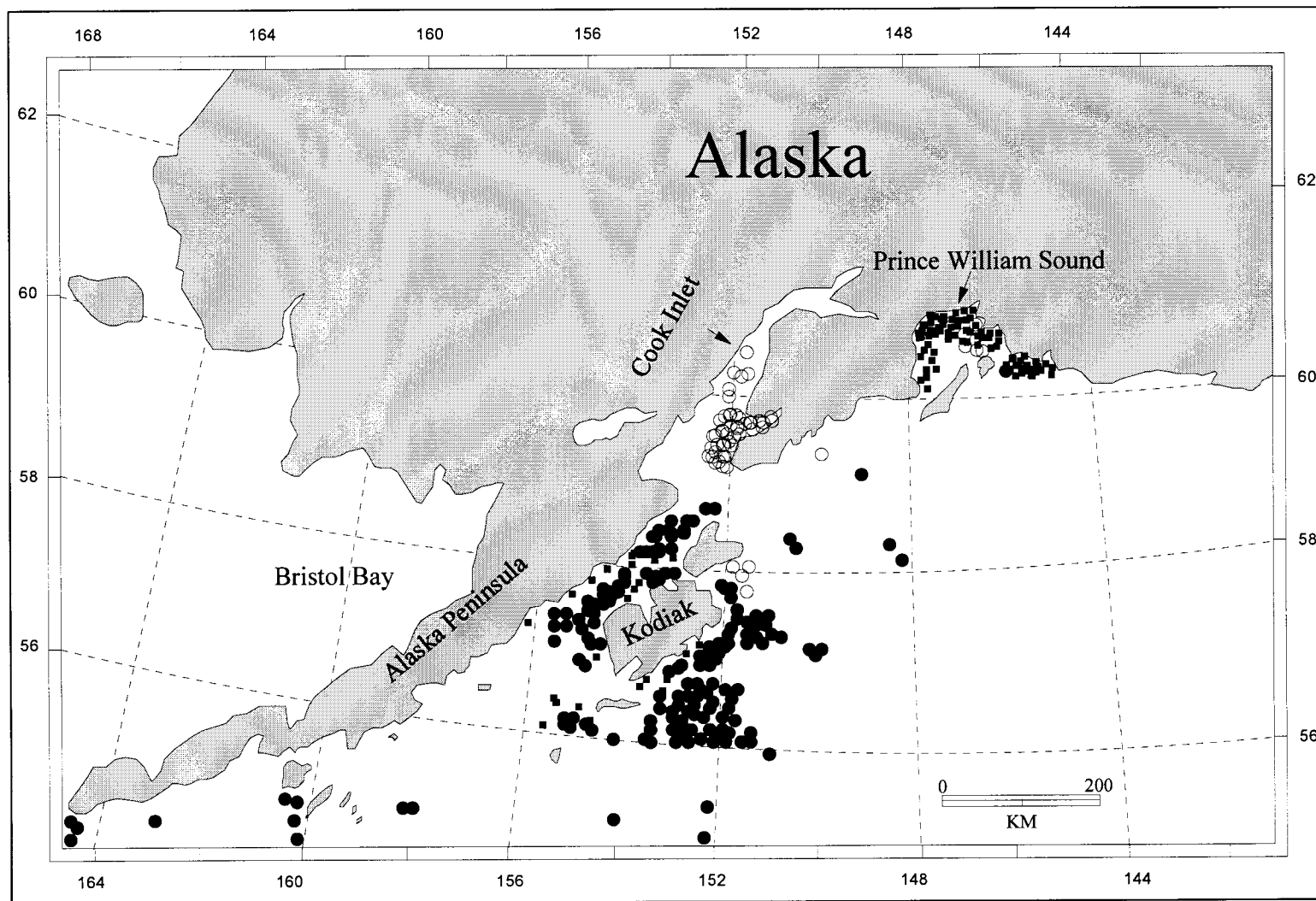


Figure 39. Approximate locations of chinook salmon of British Columbia origin recovered with coded wire tags, 1980-1993. Solid circles are tags recovered from federally managed groundfish fisheries; solid squares are tags recovered from state managed commercial fisheries for salmon; hollow circles are tags recovered from state managed sport fisheries.

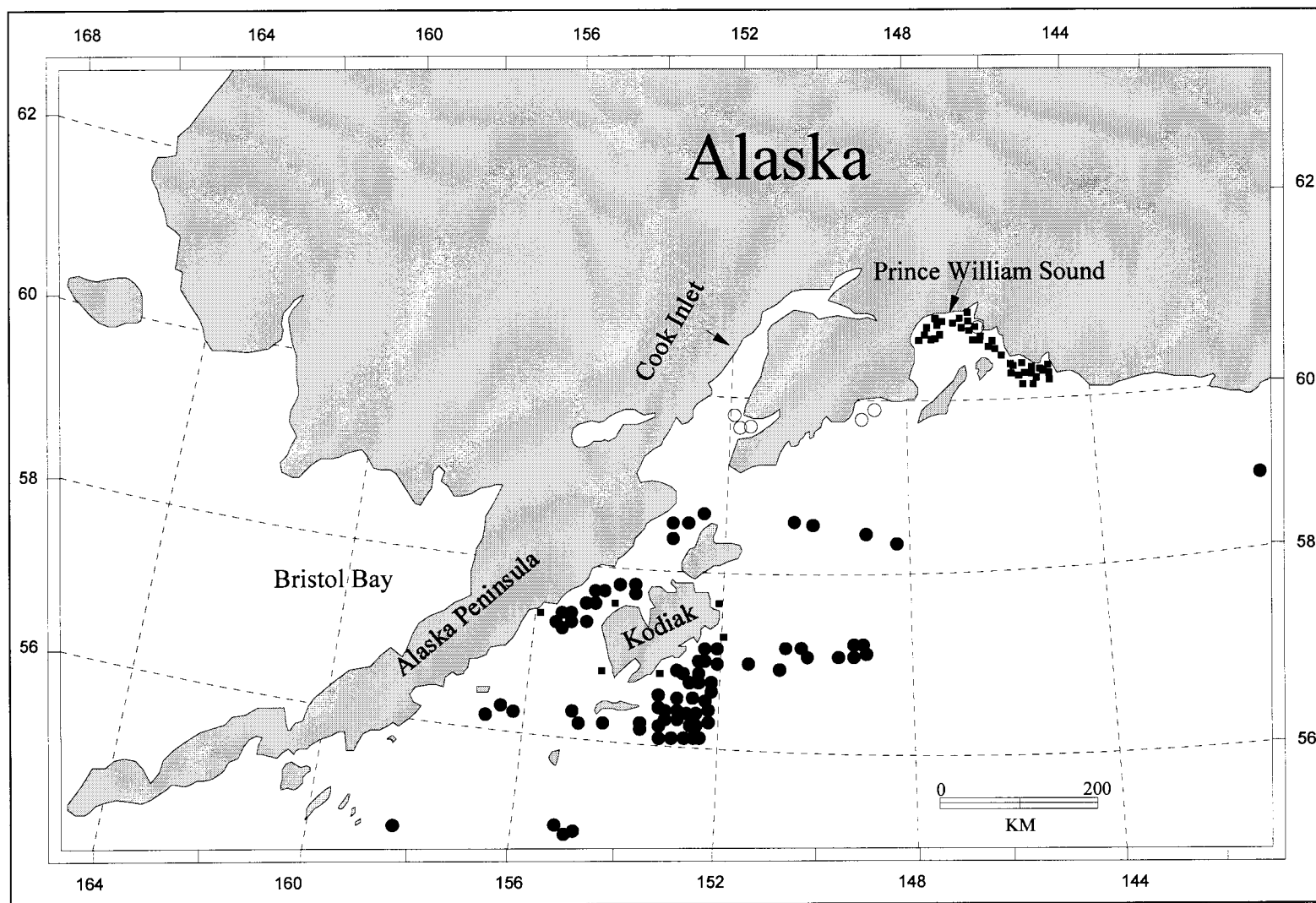


Figure 40. Approximate locations of chinook salmon of Washington origin recovered with coded wire tags, 1980-1993. Solid circles are tags recovered from federally managed groundfish fisheries; solid squares are tags recovered from state managed commercial fisheries for salmon; hollow circles are tags recovered from state managed sport fisheries.

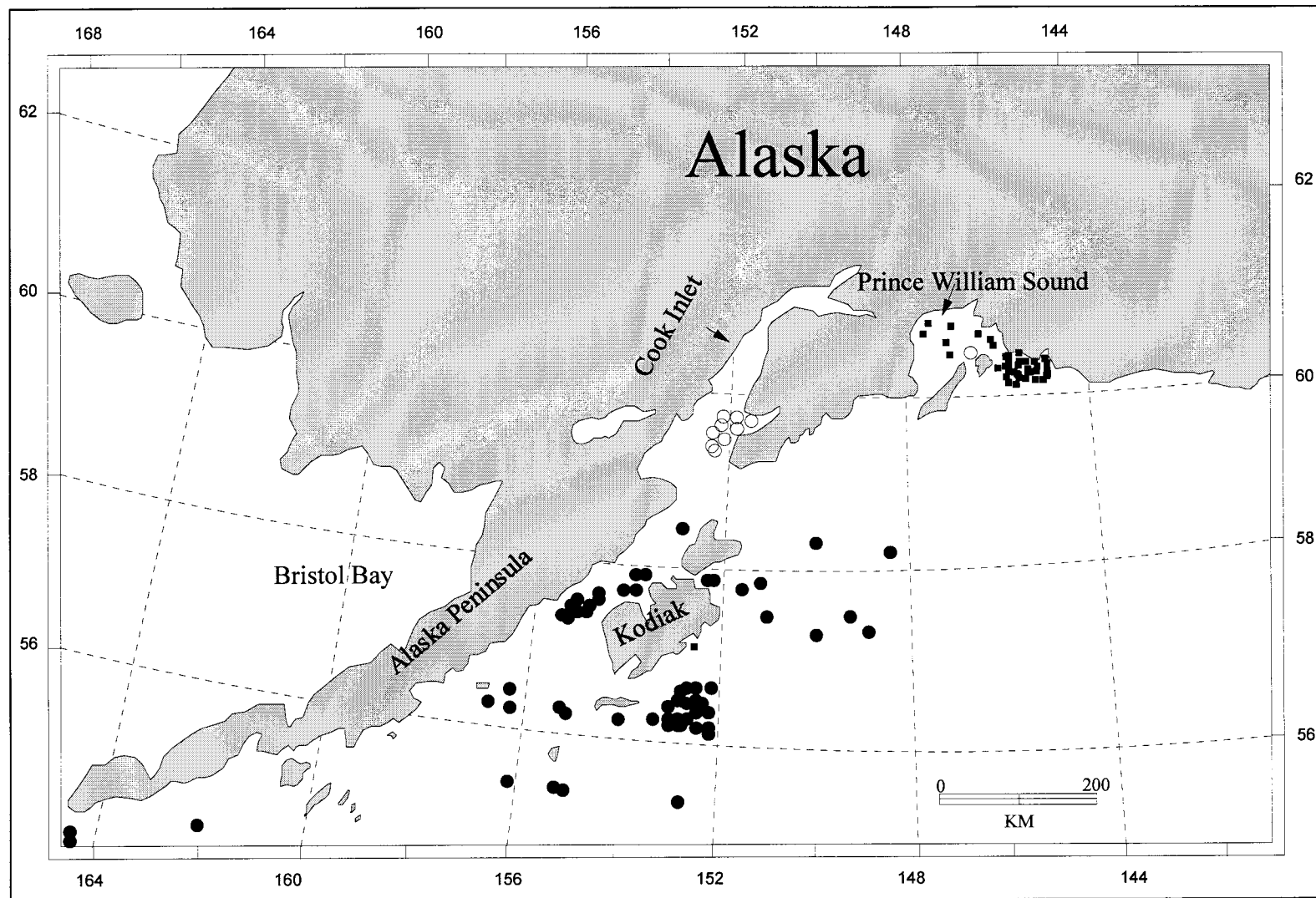


Figure 41. Approximate locations of chinook salmon of Oregon origin recovered with coded wire tags, 1980-1993. Solid circles are tags recovered from federally managed groundfish fisheries; solid squares are tags recovered from state managed commercial fisheries for salmon; hollow circles are tags recovered from state managed sport fisheries.

APPENDICES

Appendix A. References, tables, page numbers, and locations used in estimating sport harvest of chinook salmon from Prince William Sound, 1980-1992.

Reference	Table	Page Number	Locations Included	
			Eastside	Westside
Mills 1981	Table 42	49	Valdez Bay	Passage Canal, Other Saltwater
Mills 1982	Table 46	55	Valdez Bay	Passage Canal, Other Saltwater
Mills 1983	Table 46	54	Valdez Bay	Passage Canal, Other Saltwater
Mills 1984	Table 46	54	Valdez Bay	Passage Canal, Boat-Other, Shoreline-Other
Mills 1985	Table 46	54	Valdez Bay	Passage Canal, Boat-Other, Shoreline-Other
Mills 1986	Table 48	56	Valdez Bay, Valdez Bay-Shoreline	Passage Canal, Boat-Other, Shoreline-Other
Mills 1987	Table 48	56	Valdez Bay, Valdez Bay-Shoreline	Passage Canal, Boat-Other, Shoreline-Other
Mills 1988	Table 48	56	Valdez Bay, Valdez Bay-Shoreline	Passage Canal, Boat-Other, Shoreline-Other
Mills 1989	Table 48	57	Valdez Bay, Orca Inlet, Shoreline-Valdez Bay, Shoreline-Valdez Road System	Passage Canal, Boat-Other, Shoreline-Other
Mills 1990	Appendix A56	66	Valdez Bay, Orca Inlet, Shoreline-Valdez Road System, Shoreline-Valdez Arm	Passage Canal, Boat-Other, Shoreline-Other
Mills 1991	Appendix A65	76	Valdez Bay, Orca Inlet, Shoreline-Valdez Road System, Shoreline-Valdez Arm	Passage Canal, Boat-Other, Shoreline-Other
Mills 1992	Appendix A70	80	Valdez Bay, Orca Inlet, Shoreline-Valdez Road System, Shoreline-Valdez Arm	Passage Canal, Esther Island; Boat-Other, Shoreline-Other
Mills 1993	Appendix A71	84	Valdez Bay, Orca Inlet, Hinchinbrook Island, Shoreline-Valdez Road System, Shoreline-Valdez Arm	Passage Canal, Esther Island; Boat-Other, Shoreline-Other

Appendix B. References, tables, page numbers, and locations used in estimating sport harvest of chinook salmon from Lower Cook Inlet, 1980-1992.

Reference	Table	Page Number	Locations Included	
			Homer Area	Seward Area
Mills 1981	Table 48	55	Kachemak Bay, Others	Resurrection Bay
Mills 1982	Table 52	61	Kachemak Bay, Others	Resurrection Bay
Mills 1983	Table 52	60	Kachemak Bay, Others	Resurrection Bay
Mills 1984	Table 52	60	Kachemak Bay, Boat-Other, Shoreline-Other	Resurrection Bay
Mills 1985	Table 54	62	Kachemak Bay, Boat-Other, Shoreline-Other	Resurrection Bay
Mills 1986	Table 56	64	Kachemak Bay, Boat-Other, Shoreline-Other	Resurrection Bay
Mills 1987	Table 56	64	Kachemak Bay, Boat-Other, Shoreline-Other	Resurrection Bay
Mills 1988	Table 56	64	Halibut Cove, Tutka Bay, Kachemak Bay, Cook Inlet, Boat-Other, Homer Spit, Shoreline-Other	Resurrection Bay
Mills 1989	Table 56	65	Halibut Cove, Tutka Bay, Kachemak Bay, Cook Inlet, Boat-Other, Homer Spit, Shoreline-Other	Resurrection Bay
Mills 1990	Appendix A64	74	Halibut Cove, Tutka Bay, Kachemak Bay, Cook Inlet, Boat-Other, Homer Spit, Seldovia Bay, Shoreline-Other	Resurrection Bay
Mills 1991	Appendix A81	92	Halibut Cove, Tutka Bay, Kachemak Bay, Cook Inlet, Boat-Other, Homer Spit, Seldovia Bay, Shoreline-Other	Resurrection Bay
Mills 1992	Appendix A88	98	Halibut Cove, Tutka Bay, Kachemak Bay, Seldovia Bay, Boat-Other Cook Inlet, Boat-Other, Homer Spit, Shoreline-Other	Resurrection Bay
Mills 1993	Appendix A89	102	Halibut Cove, Tutka Bay, Kachemak Bay, Seldovia Bay, Other Lower Cook Inlet/Outer Gulf Coast, Boat-Other, Homer Spit, Shoreline-Other	Resurrection Bay

Appendix C. References, tables, page numbers, and locations used in estimating sport harvest of chinook salmon from Upper Cook Inlet, 1980-1992.

Reference	Table	Page Number	Locations Included
Mills 1981	Table 47	pg 54	all "Saltwater"
	Table 48	pg 55	Saltwater-Deep Creek
Mills 1982	Table 50	pg 59	all "Saltwater"
	Table 52	pg 61	Deep Creek
Mills 1983	Table 50	pg 58	all "Saltwater"
	Table 52	pg 60	Deep Creek
Mills 1984	Table 47	pg 55	all "Saltwater"
	Table 50	pg 58	all "Saltwater"
	Table 52	pg 60	Deep Creek
Mills 1985	Table 47	pg 55	all "Saltwater"
	Table 48	pg 56	all "Saltwater"
	Table 50	pg 58	all "Saltwater"
	Table 54	pg 62	Deep Creek
Mills 1986	Table 49	pg 57	all "Saltwater"
	Table 50	pg 58	all "Saltwater"
	Table 52	pg 60	all "Saltwater"
	Table 56	pg 64	Deep Creek, Anchor River Mouth Boat
Mills 1987	Table 49	pg 57	all "Saltwater"
	Table 50	pg 58	all "Saltwater"
	Table 52	pg 60	all "Saltwater"
	Table 56	pg 64	Anchor River Area-boat, Deep Creek Area-Boat, Whiskey Gulch Area-Boat
Mills 1988	Table 49	pg 57	all "Saltwater"
	Table 50	pg 58	all "Saltwater"
	Table 52	pg 60	all "Saltwater"
	Table 56	pg 64	Deep Creek Area, Cook Inlet, Anchor River Area, Whiskey Gulch Area
Mills 1989	Table 49	pg 57	all "Saltwater"
	Table 49	pg 58	all "Saltwater"
	Table 50	pg 59	all "Saltwater"
	Table 52	pg 61	all "Saltwater"
	Table 56	pg 65	Deep Creek Area, Anchor River Area, Whiskey Gulch Area
Mills 1990	Table A57	pg 67	all "Saltwater"
	Table A58	pg 68	all "Saltwater"
	Table A60	pg 70	all "Saltwater"
	Table A64	pg 74	Deep Creek Area, Anchor River Area, Whiskey Gulch Area
Mills 1991	Table A67	pg 78	all "Saltwater"
	Table A69	pg 80	all "Saltwater"
	Table A73	pg 84	all "Saltwater"
	Table A81	pg 92	Deep Creek Area, Anchor River Area, Whiskey Gulch Area
Mills 1992	Table A72	pg 82	all "Saltwater"
	Table A76	pg 86	all "Saltwater"
	Table A80	pg 90	all "Saltwater"
	Table A88	pg 98	Deep Creek Area, Anchor River Area, Ninilchik River Area, Whiskey Gulch Area
Mills 1993	Table A73	pg 86	all "Saltwater"
	Table A77	pg 90	all "Saltwater"
	Table A81	pg 94	all "Saltwater"
	Table A89	pg 102	Ninilchik River Area, Kenai River Mouth, Anchor River Area, Whiskey Gulch Area, Deep Creek Area, Other Upper Cook Inlet

Appendix D. References, tables, page numbers, and locations used in estimating sport harvest of chinook salmon from Kodiak, 1980-1992.

Reference	Table	Page Number	Locations Included
Mills 1981	Table 49	56	All "Saltwater"
Mills 1982	Table 54	63	All "Saltwater"
Mills 1983	Table 54	62	All "Saltwater"
Mills 1984	Table 54	62	All "Saltwater"
Mills 1985	Table 56	64	All "Saltwater"
Mills 1986	Table 58	66	All "Saltwater"
Mills 1987	Table 58	66	All "Saltwater"
Mills 1988	Table 58	66	All "Saltwater"
Mills 1989	Table 58	67	All "Saltwater"
Mills 1990	Appendix A66	76	All "Saltwater"
Mills 1991	Appendix A85	97	All "Saltwater"
Mills 1992	Appendix A91	102	All "Saltwater"
Mills 1993	Appendix A92	106	All "Saltwater"

Appendix E. References, tables, page numbers, and locations used in estimating sport harvest of chinook salmon from the Alaska Peninsula area, 1980-1992.

Reference	Table	Page Number	Locations Included
Mills 1981	Table 50	57	All "Saltwater"
Mills 1982	Table 55	64	All "Saltwater"
Mills 1983	Table 55	63	All "Saltwater"
Mills 1984	Table 55	63	All "Saltwater"
Mills 1985	Table 57	65	All "Saltwater"
Mills 1986	Table 59	67	All "Saltwater"
Mills 1987	Table 59	67	All "Saltwater"
Mills 1988	Table 59	67	All "Saltwater"
Mills 1989	Table 59	68	All "Saltwater"
Mills 1990	Appendix A67	77	All "Saltwater"
Mills 1991	Appendix A86	98	All "Saltwater"
Mills 1992	Appendix A93	104	All "Saltwater"
Mills 1993	Appendix A94	108	All "Saltwater"

Appendix F. Subset of the Alaska Department of Fish and Game Statewide Coded Wire Tag database used for analyses in this report. Includes all chinook salmon with coded wire tags recovered by personnel of the Alaska Department of Fish and Game from state managed marine fisheries of southcentral Alaska, 1980-1993.

Year	Head Number	Tag Code	BR YR	Recovered Species	Hatchery or Wild Stock	Release Site	Release State	Agency	Number Marked	Number Released	Date of Release	Recovery Date	Sample Type	Port	Sample Source	Gear	District Subdistrict	Length	Pref Sree Contrib.
1980	02486	021630	76	CHINOOK	ROBERTSON CREEK	ROBERTSON CREEK	BC	CDFO	64,550	3,188,072	06/10/77	05/23/80	SELECT	HOMER	SPORT		241		
1980	02487	631662	76	CHINOOK	PRIEST RAPIDS SPAWNI	COLUMBIA RIVER AT PR	WA	WDF	147,338	762,433	06/27/77	06/07/80	SELECT	HOMER	SPORT		241		
1981	19245	071731	77	CHINOOK	MARION FORKS	SANTIAM R & N FK-1	OR	ODFW	49,766	50,995	04/05/79	06/29/81	SELECT	SITKA	COMMERCIAL	GILLNET	212-20	690	
1981	02481	031621	77	CHINOOK	LITTLE PORT WALTER	L PORT WALTER 109-10	AK	NMFS	10,232	10,304	07/15/78	05/13/81	SELECT	HOMER	SPORT		241		
1981	02482	021628	76	CHINOOK	(W) NITINAT LAKE	NITINAT LAKE	BC	CDFO	15,547	16,324	06/01/77	05/13/81	SELECT	HOMER	SPORT		241		
1981	02483	021615	78	CHINOOK	ROBERTSON CREEK	ROBERTSON CREEK	BC	CDFO	76,418	3,717,277	06/17/79	05/27/81	SELECT	HOMER	SPORT		241		
1981	02484	021615	78	CHINOOK	ROBERTSON CREEK	ROBERTSON CREEK	BC	CDFO	76,418	3,717,277	06/17/79	09/27/81	SELECT	HOMER	SPORT		241		
1981	02485	021732	78	CHINOOK	ATNARKO RIVER	ATNARKO RIVER	BC	CDFO	79,761	79,761	06/03/79	10/03/81	SELECT	HOMER	SPORT		241		
1981	01002	041859	78	CHINOOK	FORT RICHARDSON	CROOKED CR 244-30	AK	ADFG	26,425	197,446	06/01/79	06/03/81	SELECT	JUNEAU	SPORT		244-30		
1982	52420	041938	78	CHINOOK	DEER MOUNTAIN	KETCHIKAN CR 101-47	AK	ADFG	19,485	20,751	05/01/80	08/15/82	SELECT	HOMER	SPORT		241		
1982	52421	072022	78	CHINOOK	SOUTH SANTIAM HATCHE	SANTIAM R, S FK	OR	ODFW	34,236	36,038	11/06/79	07/01/82	SELECT	HOMER	SPORT		241		
1982	02479	072022	78	CHINOOK	SOUTH SANTIAM HATCHE	SANTIAM R, S FK	OR	ODFW	34,236	36,038	11/06/79	07/01/82	SELECT	HOMER	SPORT		241		
1982	02480	041938	78	CHINOOK	DEER MOUNTAIN	KETCHIKAN CR 101-47	AK	ADFG	19,485	20,751	05/01/80	08/15/82	SELECT	HOMER	SPORT		241		
1983	02489	042032	80	CHINOOK	ELMENDORF	HALIBUT CV LAG241-15	AK	ADFG	26,000	50,972	06/01/81	06/10/83	SELECT	HOMER	SPORT		241		
1983	02490	072518	80	CHINOOK	MCKENZIE	MCKENZIE R-1	OR	ODFW	34,719	35,904	03/15/82	09/18/83	SELECT	HOMER	SPORT		241		
1983	02491	072517	80	CHINOOK	MCKENZIE	MCKENZIE R-1	OR	ODFW	38,632	38,759	11/05/81	09/24/83	SELECT	HOMER	SPORT		241		
1983	02492	072207	79	CHINOOK	BONNEVILLE HATCHERY	TANNER CR	OR	ODFW	100,717	103,194	06/30/80	09/24/83	SELECT	HOMER	SPORT		241		
1983	56967	072518	80	CHINOOK	MCKENZIE	MCKENZIE R-1	OR	ODFW	34,719	35,904	03/15/82	09/18/83	SELECT	HOMER	SPORT		241		
1983	56970	072517	80	CHINOOK	MCKENZIE	MCKENZIE R-1	OR	ODFW	38,632	38,759	11/05/81	09/24/83	SELECT	HOMER	SPORT		241		
1983	56969	072207	79	CHINOOK	BONNEVILLE HATCHERY	TANNER CR	OR	ODFW	100,717	103,194	06/30/80	09/25/83	SELECT	HOMER	SPORT		241		
1984	78573	632460	81	CHINOOK	KALAMA FALLS HATCHER	KALAMA RIVER	WA	WDF	177,112	3,552,888	07/02/82	06/07/84	RANDOM	CORDOVA	COMMERCIAL	GILLNET	212	539	
1984	71844	072724	81	CHINOOK	MCKENZIE	MCKENZIE R-1	OR	ODFW	29,070	31,091	03/14/83	06/28/84	RANDOM	CORDOVA	COMMERCIAL	GILLNET	212	608	11.46
1984	20133	022303	81	CHINOOK	QUINSAM RIVER	QUINSAM RIVER	BC	CDFO	49,802	180,173	05/14/82	05/19/84	SELECT	HOMER	SPORT		241		
1984	23838	072426	81	CHINOOK	BONNEVILLE HATCHERY	TANNER CR	OR	ODFW	104,966	106,349	08/03/82	03/10/84	SELECT	CORDOVA	SPORT		228-10	432	
1984	23839	022303	81	CHINOOK	QUINSAM RIVER	QUINSAM RIVER	BC	CDFO	49,802	180,173	05/14/82	03/24/84	SELECT	CORDOVA	SPORT		221-10		
1985	80409	042054	80	CHINOOK	SNETTISHAM	SPEEL ARM 111-33	AK	ADFG	37,946	39,200	06/18/82	06/22/85	RANDOM	CORDOVA	COMMERCIAL	GILLNET	212	865	24.49
1985	80418	632612	82	CHINOOK	PRIEST RAPIDS SPAWNI	COLUMBIA RIVER - GEN	WA	WDF	202,388	203,100	06/22/83	07/03/85	SELECT	CORDOVA	COMMERCIAL	SEINE	221	589	
1985	80246	031814	82	CHINOOK	LITTLE PORT WALTER	L PORT WALTER 109-10	AK	NMFS	9,129	9,129	05/15/84	07/12/85	RANDOM	CORDOVA	COMMERCIAL	SEINE	228		9.50
1985	31389	031733	80	CHINOOK	(M) MIXED COLUMBIA R	COLUMBIA RIVER A #6	WA	NMFS	42,924	42,924	07/31/81	05/24/85	SELECT	HOMER	SPORT		241		
1985	31390	072141	80	CHINOOK	BONNEVILLE HATCHERY	TANNER CR	OR	ODFW	49,813	430,137	11/09/81	07/04/85	SELECT	HOMER	SPORT		241	787	
1985	31391	021661	80	CHINOOK	ROBERTSON CREEK	ROBERTSON CREEK	BC	CDFO	151,278	9,106,259	05/21/81	07/07/85	SELECT	HOMER	SPORT		241		
1985	52691	022203	81	CHINOOK	CONUMA RIVER	CONUMA RIVER	BC	CDFO	64,484	152,000	06/15/82	08/04/85	SELECT	HOMER	SPORT		241		
1985	08790	B40614	82	CHINOOK	KITOI BAY	LK ROSE TEAD 259-41	AK	ADFG	15,583	119,324	06/01/83	08/03/85	SELECT	KODIAK	SPORT		259-41	677	
1985	08791	B40614	82	CHINOOK	KITOI BAY	LK ROSE TEAD 259-41	AK	ADFG	15,583	119,324	06/01/83	08/03/85	SELECT	KODIAK	SPORT		259-41	747	
1985	76299	632849	82	CHINOOK	ELWHA RIVER SPAWNING	ELWHA RIVER	WA	WDF	25,778	580,169	04/17/84	08/10/85	SELECT	SEWARD	SPORT		231	482	
1985	80476	042223	81	CHINOOK	DEER MOUNTAIN	KETCHIKAN CR 101-47	AK	ADFG	15,784	80,231	05/16/83	08/12/85	SELECT	SEWARD	SPORT		231	622	
1985	42137	042430	82	CHINOOK	WHITMAN LAKE	NEETS BAY 101-90	AK	SSRA	10,335	36,049	06/01/84	08/16/85	SELECT	SEWARD	SPORT		231	562	
1985	77433	042033	80	CHINOOK	ELMENDORF	HALIBUT CV LAG241-15	AK	ADFG	25,389	50,889	06/01/81	07/16/85	RANDOM	KENAI	COMMERCIAL	GILLNET	244-20	816	
1985	77411	311613	82	CHINOOK	ELMENDORF	CROOKED CR 244-30	AK	ADFG	14,000	211,000	05/01/83	07/18/85	RANDOM	KENAI	COMMERCIAL	GILLNET	244-30	629	
1985	69197	042229	81	CHINOOK	CRYSTAL LAKE	CRYSTAL CR 106-44	AK	ADFG	58,156	137,868	05/16/83		SELECT	VALDEZ	SPORT		221-60		

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Year	Head Number	Tag Code	BR YR	Recovered Species	Hatchery or Wild Stock	Release Site	Release State	Agency	Number Marked	Number Released	Date of Release	Recovery Date	Sample Type	Port	Sample Source	Gear	District Subdistrict	Length	Pref Sree Contrib.
1986	24818	B40908	81	CHINOOK	WHITMAN LAKE	NEETS BAY 101-90	AK	SSRA	37,737	38,507	05/01/83	06/03/86	RANDOM	CORDOVA	COMMERCIAL	GILLNET	212	865	11.45
1986	24829	042503	83	CHINOOK	WHITMAN LAKE	NEETS BAY 101-90	AK	SSRA	30,158	100,228	05/31/85	06/14/86	RANDOM	CORDOVA	COMMERCIAL	GILLNET	212-20	440	19.24
1986	24831	072902	83	CHINOOK	MARION FORKS	SANTIAM R & N FK-1	OR	ODFW	50,195	169,769	03/12/85	06/14/86	RANDOM	CORDOVA	COMMERCIAL	GILLNET	212-20	516	19.59
1986	24932	022861	83	CHINOOK	MARBLE RIVER PIP	MARBLE RIVER	BC	CDFO	99,074	242,035	07/01/84	07/05/86	RANDOM	CORDOVA	COMMERCIAL	GILLNET	223	610	35.93
1986	68061	082359	84	CHINOOK	QUINSAM RIVER	CAMPBELL TRANSITION	BC	CDFO	10,009	10,464	04/24/85	11/20/86	SELECT	CORDOVA	SPORT		221-10		
1986	68062	072902	83	CHINOOK	MARION FORKS	SANTIAM R & N FK-1	OR	ODFW	50,195	169,769	03/12/85	07/12/86	SELECT	CORDOVA	COMMERCIAL	GILLNET	223		
1986	03019	082058	82	CHINOOK	QUINSAM RIVER	QUINSAM RIVER	BC	CDFO	10,014	10,184	05/26/83	06/27/86	SELECT	HOMER	SPORT		241-11	838	
1986	22966	082135	81	CHINOOK	QUINSAM RIVER	QUINSAM RIVER	BC	CDFO	10,394	10,500	05/26/82	07/10/86	SELECT	HOMER	SPORT		241	897	
1986	20063	633120	83	CHINOOK	WILLAPA HATCHERY -	FORK CREEK	WA	WDF	75,251	960,960	06/12/84	06/24/86	SELECT	VALDEZ	COMMERCIAL	SEINE	221-60	490	
1986	20064	023254	84	CHINOOK	KITIMAT RIVER	KITIMAT LOWER	BC	CDFO	49,712	102,056	05/13/85	07/01/86	SELECT	VALDEZ	COMMERCIAL	SEINE	221-50		
1986	20065	042511	83	CHINOOK	CRYSTAL LAKE	CRYSTAL CR 106-44	AK	ADFG	9,646	45,000	05/13/85	07/01/86	SELECT	VALDEZ	COMMERCIAL	SEINE	221-50		
1986	20066	051244	84	CHINOOK	SPRING CREEK NATIONA	YAKIMA RIVER (LOWER	WA	FWS	26,112	26,376	06/12/85	07/11/86	SELECT	VALDEZ	COMMERCIAL	SEINE	221-50	380	
1986	20067	633236	84	CHINOOK	COWLITZ SALMON HATCH	COWLITZ RIVER	WA	WDF	48,246	1,279,993	06/19/85	07/19/86	SELECT	VALDEZ	COMMERCIAL	SEINE	221-50		
1986	20068	633331	84	CHINOOK	NASELLE HATCHERY	NASELLE RIVER	WA	WDF	51,677	1,096,464	06/26/85	07/30/86	SELECT	VALDEZ	COMMERCIAL	SEINE	221-50	335	
1987	57385	073701	84	CHINOOK	MARION FORKS	SANTIAM R & N FK-1	OR	ODFW	10,599	115,363	03/13/86	06/22/87	RANDOM	CORDOVA	COMMERCIAL	GILLNET	212	572	150.58
1987	88026	102540	84	CHINOOK	EAGLE CREEK NFH	EAGLE CR-CLACKAMAS R	OR	UI	20,756	21,509	05/09/86	06/24/87	RANDOM	CORDOVA	COMMERCIAL	GILLNET	212	568	14.33
1987	88076	311733	85	CHINOOK	FORT RICHARDSON	DECEPTION + ANDERSON	AK	ADFG	29,507	163,203	06/02/86	06/26/87	SELECT	CORDOVA	COMMERCIAL	GILLNET	221	426	
1987	88052	311733	85	CHINOOK	FORT RICHARDSON	DECEPTION + ANDERSON	AK	ADFG	29,507	163,203	06/02/86	06/26/87	SELECT	CORDOVA	COMMERCIAL	SEINE	221	455	
1987	88053	311733	85	CHINOOK	FORT RICHARDSON	DECEPTION + ANDERSON	AK	ADFG	29,507	163,203	06/02/86	06/26/87	SELECT	CORDOVA	COMMERCIAL	SEINE	221	488	
1987	88054	311733	85	CHINOOK	FORT RICHARDSON	DECEPTION + ANDERSON	AK	ADFG	29,507	163,203	06/02/86	06/26/87	SELECT	CORDOVA	COMMERCIAL	SEINE	221	405	
1987	88077	311733	85	CHINOOK	FORT RICHARDSON	DECEPTION + ANDERSON	AK	ADFG	29,507	163,203	06/02/86	07/01/87	SELECT	CORDOVA	COMMERCIAL	SEINE	221	388	
1987	88055	311733	85	CHINOOK	FORT RICHARDSON	DECEPTION + ANDERSON	AK	ADFG	29,507	163,203	06/02/86	07/03/87	SELECT	CORDOVA	COMMERCIAL	SEINE	221	411	
1987	88078	311733	85	CHINOOK	FORT RICHARDSON	DECEPTION + ANDERSON	AK	ADFG	29,507	163,203	06/02/86	07/02/87	SELECT	CORDOVA	COMMERCIAL	SEINE	221	432	
1987	88079	311733	85	CHINOOK	FORT RICHARDSON	DECEPTION + ANDERSON	AK	ADFG	29,507	163,203	06/02/86	07/02/87	SELECT	CORDOVA	COMMERCIAL	SEINE	221	398	
1987	88080	073653	84	CHINOOK	SOUTH SANTIAM HATCHE	SANTIAM R, S FK	OR	ODFW	14,255	73,556	11/05/85	07/02/87	SELECT	CORDOVA	COMMERCIAL	SEINE	221	484	
1987	88479	633226	84	CHINOOK	LYONS FERRY HATCHERY	SNAKE RIVER (BELOW	WA	WDF	78,417	180,053	06/06/85	07/09/87	RANDOM	CORDOVA	COMMERCIAL	GILLNET	212	590	10.12
1987	88371	633326	84	CHINOOK	GRAYS RIVER HATCHERY	GRAYS RIVER -WF	WA	WDF	50,401	162,413	10/03/85	07/15/87	SELECT	CORDOVA	COMMERCIAL		223	577	
1987	88258	031927	84	CHINOOK	LITTLE PORT WALTER	L PORT WALTER 109-10	AK	NMFS	4,840	4,859	05/15/86	07/16/87	SELECT	CORDOVA	COMMERCIAL	SEINE	221-30	417	
1987	88081	073740	84	CHINOOK	WILLAMETTE HATCHERY	WILLAMETTE R, MID FK	OR	ODFW	10,793	11,161	04/10/86	07/15/87	SELECT	CORDOVA	COMMERCIAL	SEINE	221	448	
1987	88322	023633	85	CHINOOK	KITIMAT RIVER	HIRSCH CREEK	BC	CDFO	26,428	56,888	05/20/86	07/22/87	SELECT	CORDOVA	COMMERCIAL	SEINE	222	367	
1987	88334	023254	84	CHINOOK	KITIMAT RIVER	KITIMAT LOWER	BC	CDFO	49,712	102,056	05/13/85	07/23/87	SELECT	CORDOVA	COMMERCIAL		223		
1987	88307	311733	85	CHINOOK	FORT RICHARDSON	DECEPTION + ANDERSON	AK	ADFG	29,507	163,203	06/02/86	07/16/87	SELECT	CORDOVA	COMMERCIAL	SEINE	221	450	
1987	88084	040321	83	CHINOOK	NEETS BAY	NEETS BAY 101-90	AK	SSRA	31,560	131,704	05/31/85	07/23/87	SELECT	CORDOVA	COMMERCIAL		223	645	
1987	88085	031849	83	CHINOOK	LITTLE PORT WALTER	L PORT WALTER 109-10	AK	NMFS	3,531	5,847	05/15/85	07/23/87	SELECT	CORDOVA	COMMERCIAL		223	605	
1987	88086	471625	83	CHINOOK	TAMGAS CREEK	TAMGAS CR	AK	MIC	42,140	391,248	05/15/85	07/23/87	SELECT	CORDOVA	COMMERCIAL		223	683	
1987	88087	051253	84	CHINOOK	LITTLE WHITE SALMON	LITTLE WHITE SAL #2	WA	FWS	21,158	24,602	06/20/85	07/23/87	SELECT	CORDOVA	COMMERCIAL		223	542	
1987	88088	023241	84	CHINOOK	LITTLE QUALICUM R	LITTLE QUALICUM R	BC	CDFO	38,851	566,567	06/20/85	07/23/87	SELECT	CORDOVA	COMMERCIAL		223	560	
1987	88089	023253	84	CHINOOK	KITIMAT RIVER	KITIMAT LOWER	BC	CDFO	49,003	1,513,716	05/22/85	07/23/87	SELECT	CORDOVA	COMMERCIAL		223	580	
1987	88343	633416	84	CHINOOK	WASHOUGAL HATCHERY	WASHOUGAL RIVER	WA	WDF	51,408	65,742	08/30/85	07/23/87	SELECT	CORDOVA	COMMERCIAL		223	530	
1987	88082	311733	85	CHINOOK	FORT RICHARDSON	DECEPTION + ANDERSON	AK	ADFG	29,507	163,203	06/02/86	07/22/87	SELECT	CORDOVA	COMMERCIAL	SEINE	226	346	
1987	88083	022860	85	CHINOOK	MARBLE RIVER PIP	MARBLE RIVER	BC	CDFO	30,010	85,047	07/04/86	07/23/87	SELECT	CORDOVA	COMMERCIAL	SEINE	222	328	
1987	11315	633221	84	CHINOOK	PRIEST RAPIDS SPAWNI	COLUMBIA RIVER - GEN	WA	WDF	103,665	710,317	06/11/85	07/30/87	SELECT	CORDOVA	COMMERCIAL		223	548	
1987	10249	H50702	84	CHINOOK	SPRING CREEK NATIONA	COLUMBIA R-5	OR	FWS	99,169	109,591	05/17/85	07/30/87	SELECT	CORDOVA	COMMERCIAL		PWS	520	
1987	11390	036306	82	CHINOOK	LITTLE PORT WALTER	L PORT WALTER 109-10	AK	NMFS	8,515	8,636	05/15/84	07/22/87	SELECT	CORDOVA	COMMERCIAL	SEINE	228-40		
1987	88111	311733	85	CHINOOK	FORT RICHARDSON	DECEPTION + ANDERSON	AK	ADFG	29,507	163,203	06/02/86	07/15/87	SELECT	CORDOVA	COMMERCIAL	SEINE	221	518	
1987	88118	023229	84	CHINOOK	NITINAT RIVER	NITINAT RIVER	BC	CDFO	37,900	765,338	05/30/85	07/16/87	SELECT	CORDOVA	COMMERCIAL	SEINE	221-40	542	
1987	88107	311733	85	CHINOOK	FORT RICHARDSON	DECEPTION + ANDERSON	AK	ADFG	29,507	163,203	06/02/86	07/09/87	SELECT	CORDOVA	COMMERCIAL	SEINE	221		
1987	75733	022812	83	CHINOOK	NITINAT RIVER	NITINAT RIVER	BC	CDFO	26,869	642,595	06/12/84	06/20/87	SELECT	HOMER	SPORT		241	863	
1987	88194	311733	85	CHINOOK	FORT RICHARDSON	DECEPTION + ANDERSON	AK	ADFG	29,507	163,203	06/02/86	07/23/87	RANDOM	SEWARD	COMMERCIAL	SEINE	PWS	443	

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Year	Head Number	Tag Code	BR YR	Recovered Species	Hatchery or Wild Stock	Release Site	Release State	Agency	Number Marked	Number Released	Date of Release	Recovery Date	Sample Type	Port	Sample Source	Gear	District Subdistrict	Length	Pref Sree Contrib.
1987	10339	102526	83	CHINOOK	EAGLE CREEK NFH	EAGLE CR-CLACKAMAS R	OR	UI	46,100	47,995	04/29/85	07/30/87	RANDOM	SEWARD	COMMERCIAL	SEINE	226-50	687	1.19
1987	81341	023257	84	CHINOOK	SNOOTLI CREEK	ATNARKO RIVER LOWER	BC	CDFO	48,646	275,179	05/16/85	08/06/87	RANDOM	SEWARD	COMMERCIAL	SEINE	226-50	610	14.85
1987	81348	023133	84	CHINOOK	ROBERTSON CREEK	ROBERTSON CREEK	BC	CDFO	8,628	178,769	06/17/85	08/06/87	RANDOM	SEWARD	COMMERCIAL	SEINE	226-50	625	54.39
1987	81825	022834	83	CHINOOK	SNOOTLI CREEK	WANNOK RIVER	BC	CDFO	50,023	53,318	06/05/84	08/19/87	RANDOM	SEWARD	COMMERCIAL	SEINE	222-50	778	4.97
1987	81826	073326	84	CHINOOK	BONNEVILLE HATCHERY	UMATILLA R	OR	ODFW	206,756	3,223,172	06/20/85	08/19/87	RANDOM	SEWARD	COMMERCIAL	SEINE	222-50	789	72.75
1987	10490	073024	83	CHINOOK	MARION FORKS	SANTIAM R & N FK-1	OR	ODFW	26,553	127,266	11/08/84	07/28/87	RANDOM	SEWARD	COMMERCIAL	SEINE	226-50	755	5.48
1987	73399	040350	84	CHINOOK	WHITMAN LAKE	CARROLL INLET 101-45	AK	SSRA	10,668	10,901	05/29/86	08/10/87	RANDOM	SEWARD	SPORT		231	390	
1987	55453	311733	85	CHINOOK	FORT RICHARDSON	DECEPTION + ANDERSON	AK	ADFG	29,507	163,203	06/02/86	06/25/87	SELECT	VALDEZ	COMMERCIAL	SEINE	221-50		
1987	55454	311733	85	CHINOOK	FORT RICHARDSON	DECEPTION + ANDERSON	AK	ADFG	29,507	163,203	06/02/86	06/25/87	SELECT	VALDEZ	COMMERCIAL	SEINE	221-50		
1987	55455	311733	85	CHINOOK	FORT RICHARDSON	DECEPTION + ANDERSON	AK	ADFG	29,507	163,203	06/02/86	06/25/87	SELECT	VALDEZ	COMMERCIAL	SEINE	221-50		
1987	55456	311733	85	CHINOOK	FORT RICHARDSON	DECEPTION + ANDERSON	AK	ADFG	29,507	163,203	06/02/86	06/25/87	SELECT	VALDEZ	COMMERCIAL	SEINE	221-50		
1987	55457	311733	85	CHINOOK	FORT RICHARDSON	DECEPTION + ANDERSON	AK	ADFG	29,507	163,203	06/02/86	06/25/87	SELECT	VALDEZ	COMMERCIAL	SEINE	221-50		
1987	55458	311733	85	CHINOOK	FORT RICHARDSON	DECEPTION + ANDERSON	AK	ADFG	29,507	163,203	06/02/86	06/25/87	SELECT	VALDEZ	COMMERCIAL	SEINE	221-50		
1987	55451	311733	85	CHINOOK	FORT RICHARDSON	DECEPTION + ANDERSON	AK	ADFG	29,507	163,203	06/02/86	07/03/87	SELECT	VALDEZ	COMMERCIAL	SEINE	221-50	510	
1987	55452	311733	85	CHINOOK	FORT RICHARDSON	DECEPTION + ANDERSON	AK	ADFG	29,507	163,203	06/02/86	07/03/87	SELECT	VALDEZ	COMMERCIAL	SEINE	221-50	535	
1987	55461	023133	84	CHINOOK	ROBERTSON CREEK	ROBERTSON CREEK	BC	CDFO	8,628	178,769	06/17/85	08/14/87	SELECT	VALDEZ	SPORT		221-60		
1988	29021	633544	85	CHINOOK	ELWHA RIVER SPAWNING	ELWHA RIVER	WA	WDF	26,097	501,503	06/10/86	05/28/88	RANDOM	CORDOVA	COMMERCIAL	GILLNET	212	560	260.01
1988	29022	633831	85	CHINOOK	WASHOUGAL HATCHERY	WASHOUGAL RIVER	WA	WDF	48,981	64,498	09/02/86	05/28/88	RANDOM	CORDOVA	COMMERCIAL	GILLNET	212	491	17.81
1988	29150	102644	84	CHINOOK	EAGLE CREEK NFH	EAGLE CR-CLACKAMAS R	OR	UI	25,237	26,934	05/09/86	06/03/88	RANDOM	CORDOVA	COMMERCIAL	GILLNET	212	620	12.06
1988	29551	023212	84	CHINOOK	CONUMA RIVER	TLUPANA RIVER	BC	CDFO	22,346	69,459	06/11/85	06/10/88	RANDOM	CORDOVA	COMMERCIAL	GILLNET	212	847	14.97
1988	29553	042503	83	CHINOOK	WHITMAN LAKE	NEETS BAY 101-90	AK	SSRA	30,158	100,228	05/31/85	06/10/88	RANDOM	CORDOVA	COMMERCIAL	GILLNET	212	914	16.00
1988	29401	073701	84	CHINOOK	MARION FORKS	SANTIAM R & N FK-1	OR	ODFW	10,599	115,363	03/13/86	06/10/88	RANDOM	CORDOVA	COMMERCIAL	GILLNET	212	755	52.41
1988	29923	311733	85	CHINOOK	FORT RICHARDSON	DECEPTION + ANDERSON	AK	ADFG	29,507	163,203	06/02/86	06/22/88	RANDOM	CORDOVA	COMMERCIAL	GILLNET	223	787	31.56
1988	30840	231930	85	CHINOOK	(M) MIXED COLUMBIA R	COLUMBIA RIVER A #6	WA	NMFS	9,959	9,959	07/15/86	06/29/88	RANDOM	CORDOVA	COMMERCIAL	GILLNET	221	597	
1988	30833	311733	85	CHINOOK	FORT RICHARDSON	DECEPTION + ANDERSON	AK	ADFG	29,507	163,203	06/02/86	06/29/88	RANDOM	CORDOVA	COMMERCIAL	SEINE	221-50	799	9.22
1988	31268	022859	85	CHINOOK	MARBLE RIVER PIP	MARBLE RIVER	BC	CDFO	30,799	233,249	06/25/86	07/05/88	RANDOM	CORDOVA	COMMERCIAL	SEINE	221-50		26.79
1988	31267	232001	86	CHINOOK	(M) MIXED COLUMBIA R	COLUMBIA RIVER A #6	WA	NMFS	9,392	9,392	07/30/87	07/06/88	RANDOM	CORDOVA	COMMERCIAL	SEINE	221-40		3.54
1988	29939	024361	86	CHINOOK	ROBERTSON CREEK	ROBERTSON CREEK	BC	CDFO	23,973	1,267,502	05/30/87	07/06/88	RANDOM	CORDOVA	COMMERCIAL	PWS		392	
1988	31392	633451	84	CHINOOK	COWLITZ SALMON HATCH	COWLITZ RIVER	WA	WDF	49,935	236,973	10/09/85	07/12/88	SELECT	CORDOVA	COMMERCIAL	SEINE	221-50	722	
1988	31918	633112	85	CHINOOK	TURTLE ROCK REARING	COLUMBIA RIVER - GEN	WA	WDF	208,492	237,467	05/05/87	07/12/88	RANDOM	CORDOVA	COMMERCIAL	SEINE	221	469	5.88
1988	31919	073754	85	CHINOOK	BONNEVILLE HATCHERY	TANNER CR	OR	ODFW	50,021	50,610	10/17/86	07/12/88	RANDOM	CORDOVA	COMMERCIAL	SEINE	221	554	5.22
1988	31913	073904	85	CHINOOK	WILLAMETTE HATCHERY	WILLAMETTE R, MID FK	OR	ODFW	15,957	16,605	10/10/86	07/13/88	RANDOM	CORDOVA	COMMERCIAL	PWS		455	
1988	30771	023634	85	CHINOOK	KITIMAT RIVER	KILDALA RIVER	BC	CDFO	25,305	127,577	05/06/86	07/20/88	SELECT	CORDOVA	COMMERCIAL	GILLNET	225	721	
1988	32102	311733	85	CHINOOK	FORT RICHARDSON	DECEPTION + ANDERSON	AK	ADFG	29,507	163,203	06/02/86	07/25/88	SELECT	CORDOVA	COMMERCIAL	SEINE	221-61	735	
1988	31968	024515	86	CHINOOK	ROBERTSON CREEK	ROBERTSON CREEK	BC	CDFO	19,981	20,141	05/22/87	07/12/88	SELECT	CORDOVA	COMMERCIAL	SEINE	PWS	368	
1988	31969	024514	86	CHINOOK	ROBERTSON CREEK	ROBERTSON CREEK	BC	CDFO	20,615	20,779	05/22/87	07/12/88	SELECT	CORDOVA	COMMERCIAL	SEINE	PWS	369	
1988	31956	040331	84	CHINOOK	WHITMAN LAKE	HERRING COVE 101-45	AK	SSRA	10,818	24,130	05/19/86	07/12/88	SELECT	CORDOVA	COMMERCIAL	SEINE	221-20	705	
1988	31375	211904	85	CHINOOK	QUINLAULT NATIONAL FI	COOK CREEK (QUINLAULT	WA	COOP	201,209	297,434	07/31/86	07/06/88	SELECT	CORDOVA	COMMERCIAL	SEINE	PWS	470	
1988	30301	633412	84	CHINOOK	(W) LEWIS RIVER STOC	LEWIS RIVER	WA	WDF	34,621	35,545	06/21/85	06/24/88	SELECT	CORDOVA	COMMERCIAL	GILLNET	212	650	
1988	09117	633221	84	CHINOOK	PRIEST RAPIDS SPAWNI	COLUMBIA RIVER - GEN	WA	WDF	103,665	710,317	06/11/85	06/08/88	VOLUNT	HOMER	SPORT		241-11	863	
1988	09118	022654	83	CHINOOK	NITINAT RIVER	NITINAT RIVER	BC	CDFO	26,879	640,774	06/03/84	06/08/88	VOLUNT	HOMER	SPORT		241-11		
1988	06657	023725	85	CHINOOK	CONUMA RIVER	BURMAN RIVER	BC	CDFO	52,297	94,044	06/02/86	06/13/88	VOLUNT	HOMER	SPORT			584	
1988	06658	022726	83	CHINOOK	THORNTON CR CDP	KENNEDY RIVER LOWER	BC	CDFO	17,709	17,834	07/02/84	06/23/88	VOLUNT	HOMER	SPORT			1000	
1988	47058	023203	84	CHINOOK	ROBERTSON CREEK	ROBERTSON CREEK	BC	CDFO	28,083	1,020,886	06/10/85	07/06/88	VOLUNT	HOMER	SPORT		241-60	851	
1988	56546	023229	84	CHINOOK	NITINAT RIVER	NITINAT RIVER	BC	CDFO	37,900	765,338	05/30/85	07/18/88	VOLUNT	HOMER	SPORT		241	845	
1988	51271	023260	84	CHINOOK	SNOOTLI CREEK	ATNARKO RIVER LOWER	BC	CDFO	51,672	135,408	05/29/85	09/20/88	VOLUNT	HOMER	SPORT		241-60	762	
1988	30462	634125	86	CHINOOK	WILLAPA HATCHERY -	FORK CREEK	WA	WDF	211,092	1,864,500	05/20/87	07/12/88	RANDOM	SEWARD	COMMERCIAL	SEINE	221		45.63
1988	41459	B41413	83	CHINOOK	TRAIL LAKES	SEWARD LAGOON 231-30	AK	ADFG	52,997	53,587	06/01/85	07/29/88	SELECT	SEWARD	SPORT		231	900	
1988	41460	B41413	83	CHINOOK	TRAIL LAKES	SEWARD LAGOON 231-30	AK	ADFG	52,997	53,587	06/01/85	07/30/88	SELECT	SEWARD	SPORT		231	900	
1988	41457	B41413	83	CHINOOK	TRAIL LAKES	SEWARD LAGOON 231-30	AK	ADFG	52,997	53,587	06/01/85	08/01/88	SELECT	SEWARD	SPORT		231	1015	

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Year	Head Number	Tag Code	BR YR	Recovered Species	Hatchery or Wild Stock	Release Site	Release State	Agency	Number Marked	Number Released	Date of Release	Recovery Date	Sample Type	Port	Sample Source	Gear	District Subdistrict	Length	Pref Sree Contrib.
1988	41458	B41413	83	CHINOOK	TRAIL LAKES	SEWARD LAGOON 231-30	AK	ADFG	52,997	53,587	06/01/85	08/01/88	SELECT	SEWARD	SPORT		231	1000	
1988	41462	031919	84	CHINOOK	LITTLE PORT WALTER	L PORT WALTER 109-10	AK	NMFS	5,450	5,472	05/15/86	08/05/88	SELECT	SEWARD	SPORT		231	550	
1988	41465	B41413	83	CHINOOK	TRAIL LAKES	SEWARD LAGOON 231-30	AK	ADFG	52,997	53,587	06/01/85	08/05/88	SELECT	SEWARD	SPORT		231	855	
1988	41470	B41413	83	CHINOOK	TRAIL LAKES	SEWARD LAGOON 231-30	AK	ADFG	52,997	53,587	06/01/85	08/12/88	SELECT	SEWARD	SPORT		231	935	
1988	41487	024013	85	CHINOOK	DEVEREUX CREEK	DEVEREUX CREEK	BC	CDFO	26,247	26,570	06/14/86	08/13/88	SELECT	SEWARD	SPORT		231	500	
1988	31058	311733	85	CHINOOK	FORT RICHARDSON	DECEPTION + ANDERSON	AK	ADFG	29,507	163,203	06/02/86	06/29/88	SELECT	VALDEZ	COMMERCIAL	SEINE	221-50	775	
1988	30161	031956	85	CHINOOK	LITTLE PORT WALTER	L PORT WALTER 109-10	AK	NMFS	15,327	25,642	07/08/86	07/09/88	SELECT	VALDEZ	COMMERCIAL		223-30		
1988	30172	031934	84	CHINOOK	LITTLE PORT WALTER	L PORT WALTER 109-10	AK	NMFS	4,353	4,353	05/15/86	07/09/88	SELECT	VALDEZ	COMMERCIAL		223-30		
1988	31114	311733	85	CHINOOK	FORT RICHARDSON	DECEPTION + ANDERSON	AK	ADFG	29,507	163,203	06/02/86	07/09/88	VOLUNT	VALDEZ	SPORT		221		
1988	31117	311733	85	CHINOOK	FORT RICHARDSON	DECEPTION + ANDERSON	AK	ADFG	29,507	163,203	06/02/86	07/09/88	VOLUNT	VALDEZ	SPORT		221		
1988	29786	311733	85	CHINOOK	FORT RICHARDSON	DECEPTION + ANDERSON	AK	ADFG	29,507	163,203	06/02/86	07/08/88	VOLUNT	VALDEZ	SPORT		221-62		
1988	29787	311733	85	CHINOOK	FORT RICHARDSON	DECEPTION + ANDERSON	AK	ADFG	29,507	163,203	06/02/86	07/08/88	VOLUNT	VALDEZ	SPORT		221-62		
1988	29788	311733	85	CHINOOK	FORT RICHARDSON	DECEPTION + ANDERSON	AK	ADFG	29,507	163,203	06/02/86	07/08/88	VOLUNT	VALDEZ	SPORT		221-62		
1988	31174	232217	86	CHINOOK	BONNEVILLE HATCHERY	COLUMBIA RIVER @ NOR	WA	NMFS	18,930	20,377	07/18/87	08/18/88	RANDOM	VALDEZ	COMMERCIAL	GILLNET	223-40	2.42	
1988	31635	024541	86	CHINOOK	NITINAT RIVER	NITINAT RIVER	BC	CDFO	26,000	1,035,020	05/19/87	08/13/88	RANDOM	VALDEZ	COMMERCIAL		223-40		
1988	25119	232131	86	CHINOOK	BONNEVILLE HATCHERY	COLUMBIA RIVER @ NOR	WA	NMFS	18,202	19,849	07/04/87	08/16/88	VOLUNT	VALDEZ	SPORT		221	450	
1988	31701	073636	85	CHINOOK	BONNEVILLE HATCHERY	TANNER CR	OR	ODFW	47,250	47,637	10/17/86	08/16/88	RANDOM	VALDEZ	COMMERCIAL	GILLNET	212	1.68	
1988	31751	024648	86	CHINOOK	ROBERTSON CREEK	ROBERTSON CREEK	BC	CDFO	20,840	21,078	05/22/87	08/18/88	RANDOM	VALDEZ	COMMERCIAL		223-40	396	
1988	31757	311733	85	CHINOOK	FORT RICHARDSON	DECEPTION + ANDERSON	AK	ADFG	29,507	163,203	06/02/86	08/24/88	SELECT	VALDEZ	COST RECOVERY		221-60		
1988	31157	042825	85	CHINOOK	CARROLL INLET	CARROLL INLET 101-45	AK	SSRA	41,399	117,200	06/10/87	08/14/88	SELECT	VALDEZ	COMMERCIAL		PWS		
1988	30444	B10308	85	CHINOOK	WELLS DAM SPAWNING C	COLUMBIA RIVER - GEN	WA	WDF	51,233	131,585	04/24/87	07/06/88	RANDOM	WHITTIER	COMMERCIAL	SEINE	221	9.09	
1988	30445	232139	86	CHINOOK	BONNEVILLE HATCHERY	COLUMBIA RIVER @ NOR	WA	NMFS	17,803	19,892	07/08/87	07/06/88	RANDOM	WHITTIER	COMMERCIAL	SEINE	221	3.95	
1989	55238	633835	85	CHINOOK	COWLITZ SALMON HATCH	COWLITZ RIVER	WA	WDF	48,034	213,853	04/01/87	07/04/89	RANDOM	CORDOVA	COMMERCIAL	GILLNET	212	724	11.77
1989	90827	024163	86	CHINOOK	PALLANT CREEK	PALLANT CREEK	BC	CDFO	19,400	20,725	06/15/87	12/26/89	VOLUNT	CORDOVA	SPORT		228-10	762	
1989	61747	232220	86	CHINOOK	BONNEVILLE HATCHERY	COLUMBIA RIVER @ NOR	WA	NMFS	18,529	20,451	07/18/87	07/18/89	SELECT	CORDOVA	COMMERCIAL	GILLNET	212-30	601	
1989	60645	075016	86	CHINOOK	WILLAMETTE HATCHERY	WILLAMETTE R. MID FK	OR	ODFW	19,050	20,707	03/01/88	07/18/89	SELECT	CORDOVA	COMMERCIAL	GILLNET	212		
1989	60559	024163	86	CHINOOK	PALLANT CREEK	PALLANT CREEK	BC	CDFO	19,400	20,725	06/15/87	07/05/89	SELECT	CORDOVA	COMMERCIAL	SEINE	221-50		
1989	55550	024016	85	CHINOOK	DEVEREUX CREEK	DEVEREUX CREEK	BC	CDFO	26,535	29,531	06/30/86	07/03/89	SELECT	CORDOVA	COMMERCIAL	GILLNET	PWS		
1989	51032	043101	86	CHINOOK	CARROLL INLET	CARROLL INLET 101-45	AK	SSRA	41,644	395,290	05/21/88	10/27/89	SELECT	KODIAK	COMMERCIAL		492		
1989	59056	024647	86	CHINOOK	ROBERTSON CREEK	ROBERTSON CREEK	BC	CDFO	16,952	17,146	05/22/87	06/21/89	RANDOM	VALDEZ	COMMERCIAL	GILLNET	223	555	14.58
1989	59057	311733	85	CHINOOK	FORT RICHARDSON	DECEPTION + ANDERSON	AK	ADFG	29,507	163,203	06/02/86	06/21/89	RANDOM	VALDEZ	COMMERCIAL	GILLNET	223	1021	79.74
1989	59075	311733	85	CHINOOK	FORT RICHARDSON	DECEPTION + ANDERSON	AK	ADFG	29,507	163,203	06/02/86	06/28/89	RANDOM	VALDEZ	COMMERCIAL	SEINE	221-50	876	31.30
1989	59076	311733	85	CHINOOK	FORT RICHARDSON	DECEPTION + ANDERSON	AK	ADFG	29,507	163,203	06/02/86	06/28/89	RANDOM	VALDEZ	COMMERCIAL	SEINE	221-50	947	31.30
1989	59077	311733	85	CHINOOK	FORT RICHARDSON	DECEPTION + ANDERSON	AK	ADFG	29,507	163,203	06/02/86	06/28/89	RANDOM	VALDEZ	COMMERCIAL	SEINE	221-50	941	31.30
1989	62051	311733	85	CHINOOK	FORT RICHARDSON	DECEPTION + ANDERSON	AK	ADFG	29,507	163,203	06/02/86	06/29/89	RANDOM	VALDEZ	COMMERCIAL	SEINE	221-50	852	31.30
1989	55937	634128	86	CHINOOK	PRIEST RAPIDS SPAWNI	COLUMBIA RIVER - GEN	WA	WDF	201,779	4,946,000	06/25/87	07/03/89	RANDOM	VALDEZ	COMMERCIAL	GILLNET	223	30.64	
1989	55938	043363	85	CHINOOK	HIDDEN FALLS	KASNYKU BAY 112-11	AK	ADFG	25,069	25,373	05/22/87	07/03/89	RANDOM	VALDEZ	COMMERCIAL	GILLNET	223	1.27	
1989	62150	311726	85	CHINOOK	ELMENDORF	HALIBUT CV LAG241-15	AK	ADFG	20,197	101,331	06/07/86	07/03/89	RANDOM	VALDEZ	COMMERCIAL	GILLNET	223	6.27	
1989	62220	311733	85	CHINOOK	FORT RICHARDSON	DECEPTION + ANDERSON	AK	ADFG	29,507	163,203	06/02/86	07/05/89	RANDOM	VALDEZ	COMMERCIAL	SEINE	221-50	45.29	
1989	62015	633317	84	CHINOOK	SOLEDDUCK HATCHERY	SOLEDDUCK RIVER	WA	WDF	75,233	75,611	08/08/85	07/10/89	RANDOM	VALDEZ	COMMERCIAL	GILLNET	212	964	2.27
1989	62428	311733	85	CHINOOK	FORT RICHARDSON	DECEPTION + ANDERSON	AK	ADFG	29,507	163,203	06/02/86	07/12/89	RANDOM	VALDEZ	COMMERCIAL	SEINE	221-61	887	57.68
1989	62429	311733	85	CHINOOK	FORT RICHARDSON	DECEPTION + ANDERSON	AK	ADFG	29,507	163,203	06/02/86	07/12/89	RANDOM	VALDEZ	COMMERCIAL	SEINE	221-61	954	57.68
1989	62818	025328	87	CHINOOK	ROBERTSON CREEK	ROBERTSON CREEK	BC	CDFO	25,640	509,827	05/31/88	07/28/89	RANDOM	VALDEZ	COMMERCIAL		222		
1989	62819	025503	87	CHINOOK	CONUMA RIVER	CONUMA ESTUARY	BC	CDFO	31,410	101,610	05/16/88	07/28/89	RANDOM	VALDEZ	COMMERCIAL		222		
1989	62845	024937	87	CHINOOK	ROBERTSON CREEK	CHINA CREEK	BC	CDFO	27,033	27,446	05/22/88	07/28/89	RANDOM	VALDEZ	COMMERCIAL		222		
1989	62775	025503	87	CHINOOK	CONUMA RIVER	CONUMA ESTUARY	BC	CDFO	31,410	101,610	05/16/88	07/28/89	SELECT	VALDEZ	COMMERCIAL		223-40		
1989	63258	024809	87	CHINOOK	ROBERTSON CREEK	ROBERTSON CREEK	BC	CDFO	29,554	336,216	05/31/88	07/28/89	RANDOM	VALDEZ	COMMERCIAL	SEINE	222	13.58	
1989	63404	024804	87	CHINOOK	ROBERTSON CREEK	ROBERTSON CREEK	BC	CDFO	28,912	28,912	05/31/88	07/29/89	RANDOM	VALDEZ	COMMERCIAL	SEINE	222-20	1.19	
1989	56652	311733	85	CHINOOK	FORT RICHARDSON	DECEPTION + ANDERSON	AK	ADFG	29,507	163,203	06/02/86	06/28/89	SELECT	VALDEZ	COST RECOVERY		221-60	700	
1989	77844	024950	87	CHINOOK	ROBERTSON CREEK	CHINA CREEK	BC	CDFO	26,264	26,264	05/22/88	08/23/89	RANDOM	VALDEZ	COMMERCIAL	SEINE	221-61	0.08	
1989	82230	311733	85	CHINOOK	FORT RICHARDSON	DECEPTION + ANDERSON	AK	ADFG	29,507	163,203	06/02/86	08/21/89	SELECT	VALDEZ	COST RECOVERY		221-62		

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Year	Head Number	Tag Code	BR YR	Recovered Species	Hatchery or Wild Stock	Release Site	Release State	Agency	Number Marked	Number Released	Date of Release	Recovery Date	Sample Type	Port	Sample Source	Gear	District Subdistrict	Length	Pref Srcr Contrib.
1989	56601	311733	85	CHINOOK	FORT RICHARDSON	DECEPTION + ANDERSON	AK	ADFG	29,507	163,203	06/02/86	06/19/89	SELECT	VALDEZ	SPORT		221-60		
1989	62053	024361	86	CHINOOK	ROBERTSON CREEK	ROBERTSON CREEK	BC	CDFO	23,973	1,267,502	05/30/87	07/05/89	SELECT	VALDEZ	COMMERCIAL	SEINE	221-50		
1989	56605	311733	85	CHINOOK	FORT RICHARDSON	DECEPTION + ANDERSON	AK	ADFG	29,507	163,203	06/02/86	07/03/89	RANDOM	VALDEZ	SPORT		221-60		
1989	27401	023731	85	CHINOOK	WHITEHORSE	MITCHIE CREEK	BC	CDFO	76,732	78,170	05/29/86	06/15/89	RANDOM	OTHER ALAS	COMMERCIAL	GILLNET	334-20	705	
1989	27402	023731	85	CHINOOK	WHITEHORSE	MITCHIE CREEK	BC	CDFO	76,732	78,170	05/29/86	06/22/89	RANDOM	OTHER ALAS	COMMERCIAL	GILLNET	334-20	675	
1990	91170	024950	87	CHINOOK	ROBERTSON CREEK	CHINA CREEK	BC	CDFO	26,264	26,264	05/22/88	05/25/90	RANDOM	CORDOVA	COMMERCIAL	GILLNET	212	578	82.72
1990	91171	024809	87	CHINOOK	ROBERTSON CREEK	ROBERTSON CREEK	BC	CDFO	29,554	336,216	05/31/88	05/25/90	RANDOM	CORDOVA	COMMERCIAL	GILLNET	212	618	940.99
1990	91110	232060	86	CHINOOK	BONNEVILLE HATCHERY	COLUMBIA RIVER @ NOR	WA	NMFS	15,991	17,213	06/25/87	05/29/90	RANDOM	CORDOVA	COMMERCIAL	GILLNET	212-10	633	12.50
1990	91178	075011	86	CHINOOK	WILLAMETTE HATCHERY	WILLAMETTE R, MID FK	OR	ODFW	18,615	19,350	05/12/88	06/01/90	RANDOM	CORDOVA	COMMERCIAL	GILLNET	212	596	12.07
1990	91568	043101	86	CHINOOK	CARROLL INLET	CARROLL INLET 101-45	AK	SSRA	41,644	395,290	05/21/88	06/15/90	RANDOM	CORDOVA	COMMERCIAL	GILLNET	225-21		43.14
1990	41499	025430	87	CHINOOK	PALLANT CREEK	PALLANT CREEK	BC	CDFO	26,722	40,773	06/09/88	09/06/90	RANDOM	CORDOVA	COMMERCIAL	GILLNET	223-40	685	4.58
1990	38574	042814	86	CHINOOK	MEDVEJE	BEAR COVE 113-41	AK	NSRA	19,834	88,876	05/13/88	08/14/90	SELECT	CORDOVA	COMMERCIAL	GILLNET	212	640	
1990	42312	211904	85	CHINOOK	QUINAUT NATIONAL FI	COOK CREEK (QUINAUT	WA	COOP	201,209	297,434	07/31/86	08/28/90	SELECT	CORDOVA	COMMERCIAL	GILLNET	212-20	976	
1990	38930	026055	88	CHINOOK	ROBERTSON CREEK	ROBERTSON CREEK	BC	CDFO	25,330	702,240	06/05/89	08/18/90	SELECT	CORDOVA	COMMERCIAL	SEINE	221-40		
1990	94061	025839	88	CHINOOK	ROBERTSON CREEK	ROBERTSON CREEK	BC	CDFO	25,298	961,819	06/05/89	08/02/90	SELECT	CORDOVA	COMMERCIAL	SEINE	223-40		
1990	42101	024961	87	CHINOOK	ROBERTSON CREEK	ROBERTSON CREEK	BC	CDFO	25,921	916,897	05/31/88	08/21/90	SELECT	CORDOVA	COMMERCIAL	SEINE	223-40	589	
1990	41663	024803	87	CHINOOK	ROBERTSON CREEK	ROBERTSON CREEK	BC	CDFO	31,791	31,791	05/31/88	08/17/90	SELECT	CORDOVA	COMMERCIAL	SEINE	PWS	652	
1990	94375	024220	86	CHINOOK	KITIMAT RIVER	HIRSCH CREEK	BC	CDFO	26,490	51,650	04/21/87	08/03/90	SELECT	CORDOVA	COMMERCIAL	GILLNET	212		
1990	93640	025304	88	CHINOOK	P.HARDY/STEPHENS CDP	ALICE LAKE OUTLET	BC	CDFO	21,587	25,212	06/13/89	07/23/90	SELECT	CORDOVA	COMMERCIAL	SEINE	222-20		
1990	91006	024803	87	CHINOOK	ROBERTSON CREEK	ROBERTSON CREEK	BC	CDFO	31,791	31,791	05/31/88	05/18/90	SELECT	CORDOVA	COMMERCIAL	GILLNET	212-30	596	
1990	46584	024163	86	CHINOOK	PALLANT CREEK	PALLANT CREEK	BC	CDFO	19,400	20,725	06/15/87	02/22/90	VOLUNT	CORDOVA	SPORT		228-10		
1990	56900	024362	86	CHINOOK	ROBERTSON CREEK	ROBERTSON CREEK	BC	CDFO	26,805	1,415,747	05/30/87	06/21/90	VOLUNT	HOMER	SPORT	LCI	743		
1990	40248	023304	84	CHINOOK	ROBERTSON CREEK	ROBERTSON CREEK	BC	CDFO	50,365	2,644,200	06/13/85	08/25/90	VOLUNT	HOMER	SPORT		241	1118	
1990	01119	024163	86	CHINOOK	PALLANT CREEK	PALLANT CREEK	BC	CDFO	19,400	20,725	06/15/87	09/10/90	VOLUNT	HOMER	SPORT		241		
1990	96550	024162	86	CHINOOK	PALLANT CREEK	PALLANT CREEK	BC	CDFO	21,007	22,452	06/15/87	08/18/90	SELECT	SEWARD	COMMERCIAL	SEINE	226-51	870	
1990	96131	024937	87	CHINOOK	ROBERTSON CREEK	CHINA CREEK	BC	CDFO	27,033	27,446	05/22/88	07/05/90	SELECT	SEWARD	COMMERCIAL	SEINE	221-60	657	
1990	97136	043001	86	CHINOOK	SNETTISHAM	FISH CR 111-50	AK	ADFG	26,204	74,000	06/05/88	06/13/90	RANDOM	VALDEZ	COMMERCIAL	GILLNET	225		12.84
1990	97101	075042	87	CHINOOK	SOUTH SANTIAM HATCHE	WILLAMETTE R-1	OR	ODFW	25,178	111,693	11/17/88	06/12/90	RANDOM	VALDEZ	COMMERCIAL	GILLNET	212	641	44.64
1990	97026	074537	87	CHINOOK	BONNEVILLE HATCHERY	UMATILLA R	OR	ODFW	23,403	25,493	11/04/88	06/15/90	RANDOM	VALDEZ	COMMERCIAL	GILLNET	212-31	595	10.96
1990	97204	043013	87	CHINOOK	MEDVEJE	BEAR COVE 113-41	AK	NSRA	80,264	388,550	05/19/89	06/28/90	RANDOM	VALDEZ	COMMERCIAL	SEINE	221-50	410	1.82
1990	98396	634416	86	CHINOOK	SOLEDUCK HATCHERY	SOLEDUCK RIVER	WA	WDF	175,753	183,280	05/09/88	07/06/90	RANDOM	VALDEZ	COMMERCIAL	GILLNET	212	652	7.29
1990	99595	024958	87	CHINOOK	ROBERTSON CREEK	ROBERTSON CREEK	BC	CDFO	25,913	924,498	05/31/88	08/04/90	RANDOM	VALDEZ	COMMERCIAL	GILLNET	PWS	590	
1990	99596	041762	87	CHINOOK	HIDDEN FALLS	KASNYKU BAY 112-11	AK	NSRA	42,742	53,768	05/28/89	08/04/90	RANDOM	VALDEZ	COMMERCIAL	GILLNET	PWS	512	
1990	24575	043108	86	CHINOOK	WHITMAN LAKE	HERRING COVE 101-45	AK	SSRA	51,575	151,000	05/14/88	08/07/90	RANDOM	VALDEZ	COMMERCIAL		223-40	732	
1990	24155	025228	87	CHINOOK	KINCOLITH CDP	KINCOLITH RIVER	BC	CDFO	8,900	10,361	06/07/89	08/10/90	RANDOM	VALDEZ	COMMERCIAL	GILLNET	223-40	505	1.16
1990	36828	024926	88	CHINOOK	SAN JUAN RIVER CDP	SAN JUAN RIVER	BC	CDFO	20,596	20,804	06/20/89	08/14/90	SELECT	VALDEZ	COMMERCIAL	SEINE	PWS		
1990	98856	213135	88	CHINOOK	LONESOME CREEK HATCH	QUILLAYUTE RIVER (C	WA	QUIL	197,558	410,000	09/18/89	07/06/90	SELECT	VALDEZ	COMMERCIAL	SEINE	221-60		
1990	98343	043142	87	CHINOOK	CARROLL INLET	CARROLL INLET 101-45	AK	SSRA	43,677	352,093	05/25/89	07/06/90	SELECT	VALDEZ	COMMERCIAL	SEINE	221-61	505	
1990	88727	311758	87	CHINOOK	FORT RICHARDSON	DECEPTION CR 247-41	AK	ADFG	20,936	201,091	07/12/88	06/11/90	SELECT	ANCHORAGE	COMMERCIAL		247	490	
1990	88728	311759	87	CHINOOK	FORT RICHARDSON	MONTANA CR 247-41	AK	ADFG	21,588	132,503	07/05/88	06/11/90	SELECT	ANCHORAGE	COMMERCIAL		247	495	
1991	55053	043214	87	CHINOOK	PORT ARMSTRONG	JETTY CR 109-10	AK	AKI	21,927	62,929	05/18/89	05/17/91	RANDOM	CORDOVA	COMMERCIAL	GILLNET	212-31	561	6.88
1991	55209	311760	88	CHINOOK	FORT RICHARDSON	DECEPTION CR 247-41	AK	ADFG	19,851	240,885	05/31/89	05/20/91	RANDOM	CORDOVA	COMMERCIAL	GILLNET	212	570	32.19
1991	55163	025654	88	CHINOOK	ROBERTSON CREEK	POET'S NOOK	BC	CDFO	10,091	10,100	05/18/89	05/31/91	RANDOM	CORDOVA	COMMERCIAL	GILLNET	212	550	2.73
1991	55089	025915	88	CHINOOK	CONUMA RIVER	CONUMA ESTUARY	BC	CDFO	54,092	296,534	05/31/89	05/31/91	RANDOM	CORDOVA	COMMERCIAL	GILLNET	212	532	14.99
1991	55601	024818	87	CHINOOK	CONUMA RIVER	CONUMA RIVER	BC	CDFO	51,528	1,763,534	05/10/88	06/11/91	RANDOM	CORDOVA	COMMERCIAL	GILLNET	212	680	77.04
1991	55603	075047	87	CHINOOK	MARION FORKS	SANTIAM R & N FK-1	OR	ODFW	30,076	30,258	03/10/89	06/11/91	RANDOM	CORDOVA	COMMERCIAL	GILLNET	212	610	2.26
1991	55171	032038	87	CHINOOK	LITTLE PORT WALTER	L PORT WALTER 109-10	AK	NMFS	3,706	3,706	05/15/89	06/10/91	RANDOM	CORDOVA	COMMERCIAL	GILLNET	212	570	2.25
1991	55172	075208	88	CHINOOK	DEXTER PONDS	SANTIAM R, S FK	OR	ODFW	33,177	479,297	11/15/89	06/10/91	RANDOM	CORDOVA	COMMERCIAL	GILLNET	212	510	32.52

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Year	Head Number	Tag Code	BR YR	Recovered Species	Hatchery or Wild Stock	Release Site	Release State	Agency	Number Marked	Number Released	Date of Release	Recovery Date	Sample Type	Port	Sample Source	Gear	District Subdistrict	Length	Pref Srce Contrib.
1991	55168	311805	87	CHINOOK	ELMENDORF	CROOKED CR 244-30	AK	ADFG	25,502	118,336	06/03/88	06/07/91	RANDOM	CORDOVA	COMMERCIAL	GILLNET	212	790	8.71
1991	55787	074653	87	CHINOOK	CLACKAMAS HATCHERY	CLACKAMAS R	OR	ODFW	5,795	625,310	03/14/89	06/14/91	RANDOM	CORDOVA	COMMERCIAL	GILLNET	212	670	242.89
1991	55401	635252	88	CHINOOK	(W) HANFORD REACH ST	COLUMBIA RIVER AT HA	WA	WDF	200,630	205,774	06/10/89	06/14/91	RANDOM	CORDOVA	COMMERCIAL	GILLNET	212-11	551	2.31
1991	55299	026057	88	CHINOOK	ROBERTSON CREEK	ROBERTSON CREEK	BC	CDFO	24,939	925,987	06/05/89	06/17/91	SELECT	CORDOVA	COMMERCIAL	GILLNET	212	560	
1991	55312	075160	88	CHINOOK	MCKENZIE	MCKENZIE R-1	OR	ODFW	14,862	215,243	03/08/90	06/18/91	RANDOM	CORDOVA	COMMERCIAL	GILLNET	PWS	430	
1991	55725	043058	87	CHINOOK	NEETS BAY	NEETS BAY 101-90	AK	SSRA	9,408	75,145	05/14/89	06/18/91	RANDOM	CORDOVA	COMMERCIAL	GILLNET	PWS	684	
1991	55408	025304	88	CHINOOK	P.HARDY/STEPHENS CDP	ALICE LAKE OUTLET	BC	CDFO	21,587	25,212	06/13/89	06/21/91	SELECT	CORDOVA	COMMERCIAL	GILLNET	PWS	522	
1991	55314	075161	88	CHINOOK	MCKENZIE	MCKENZIE R-1	OR	ODFW	15,345	221,202	03/08/90	06/21/91	RANDOM	CORDOVA	COMMERCIAL	GILLNET	212-21	520	37.42
1991	55562	024802	87	CHINOOK	ROBERTSON CREEK	ROBERTSON CREEK	BC	CDFO	29,450	334,893	05/31/88	06/21/91	RANDOM	CORDOVA	COMMERCIAL	GILLNET	PWS	690	
1991	55620	032044	87	CHINOOK	LITTLE PORT WALTER	L PORT WALTER 109-10	AK	NMFS	2,054	2,078	05/15/89	06/21/91	RANDOM	CORDOVA	COMMERCIAL	GILLNET	PWS	510	
1991	55622	075202	88	CHINOOK	CLACKAMAS HATCHERY	CLACKAMAS R	OR	ODFW	31,363	323,283	09/12/89	06/21/91	RANDOM	CORDOVA	COMMERCIAL	GILLNET	PWS	605	
1991	55248	233156	88	CHINOOK	BONNEVILLE HATCHERY	COLUMBIA RIVER @ NOR	WA	NMFS	29,535	30,092	07/21/89	06/04/91	SELECT	CORDOVA	COMMERCIAL	GILLNET	212	535	
1991	55632	043210	87	CHINOOK	BURNETT INLET	BURNETT INLET 106-22	AK	AAI	19,128	100,000	05/02/89	06/24/91	SELECT	CORDOVA	COMMERCIAL	GILLNET	212	535	
1991	55909	075162	88	CHINOOK	DEXTER PONDS	WILLAMETTE R, MID FK	OR	ODFW	14,897	407,622	03/07/90	07/02/91	RANDOM	CORDOVA	COMMERCIAL	GILLNET	212	490	60.58
1991	55504	042717	87	CHINOOK	(W) KELSALL R	KELSALL R 115-32	AK	ADFG	4,553	4,553	10/28/88	07/01/91	RANDOM	CORDOVA	COMMERCIAL	GILLNET	225	643	0.71
1991	55464	025529	88	CHINOOK	KITIMAT RIVER	KITIMAT UPPER	BC	CDFO	25,160	640,313	05/11/89	07/03/91	RANDOM	CORDOVA	COMMERCIAL	SEINE	221	665	27.82
1991	56124	025014	88	CHINOOK	ROBERTSON CREEK	ROBERTSON CREEK	BC	CDFO	25,393	653,101	05/30/89	07/03/91	RANDOM	CORDOVA	COMMERCIAL	SEINE	221-50	489	28.11
1991	56134	025913	88	CHINOOK	BIG QUALICUM RIVER	DEEP BAY/GSVI	BC	CDFO	51,411	505,482	06/16/89	07/03/91	RANDOM	CORDOVA	COMMERCIAL	SEINE	221-60	602	10.75
1991	57108	075162	88	CHINOOK	DEXTER PONDS	WILLAMETTE R, MID FK	OR	ODFW	14,897	407,622	03/07/90	07/12/91	RANDOM	CORDOVA	COMMERCIAL	GILLNET	212-11	511	22.90
1991	57359	024325	86	CHINOOK	CONUMA RIVER	CONUMA RIVER	BC	CDFO	50,855	321,892	05/31/87	07/16/91	RANDOM	CORDOVA	COMMERCIAL	GILLNET	212	725	3.61
1991	57149	311851	89	CHINOOK	FORT RICHARDSON	DECEPTION CR 247-41	AK	ADFG	39,561	219,432	05/23/90	07/16/91	RANDOM	CORDOVA	COMMERCIAL	GILLNET	212	437	3.17
1991	57929	020658	89	CHINOOK	CONUMA RIVER	CONUMA ESTUARY	BC	CDFO	26,517	160,602	05/30/90	08/05/91	SELECT	CORDOVA	COMMERCIAL	SEINE	PWS	347	
1991	62391	024924	87	CHINOOK	CLAYOQUOT CDP	KENNEDY RIVER LOWER	BC	CDFO	21,102	21,355	06/13/88	08/09/91	RANDOM	CORDOVA	COMMERCIAL	SEINE	647		
1991	60517	024922	87	CHINOOK	CLAYOQUOT CDP	KENNEDY RIVER LOWER	BC	CDFO	21,634	21,893	06/13/88	08/08/91	RANDOM	CORDOVA	COMMERCIAL	SEINE	710		
1991	48413	025329	87	CHINOOK	ROBERTSON CREEK	ROBERTSON CREEK	BC	CDFO	25,951	522,172	05/31/88	05/12/91	VOLUNT	HOMER	SPORT		244-10		
1991	48418	311742	86	CHINOOK	ELMENDORF	CROOKED CR 244-30	AK	ADFG	34,326	206,179	06/04/87	05/15/91	VOLUNT	HOMER	SPORT		244-10		
1991	48420	024810	87	CHINOOK	ROBERTSON CREEK	ROBERTSON CREEK	BC	CDFO	29,060	330,595	05/31/88	05/20/91	VOLUNT	HOMER	SPORT		244-10		
1991	48421	311758	87	CHINOOK	FORT RICHARDSON	DECEPTION CR 247-41	AK	ADFG	20,936	201,091	07/12/88	05/20/91	VOLUNT	HOMER	SPORT		244-10		
1991	48442	024943	87	CHINOOK	TERRACE CDP	LEAN-TO-CREEK	BC	CDFO	25,262	33,817	05/10/88	05/29/91	VOLUNT	HOMER	SPORT		241-11		
1991	49256	024810	87	CHINOOK	ROBERTSON CREEK	ROBERTSON CREEK	BC	CDFO	29,060	330,595	05/31/88	06/10/91	VOLUNT	HOMER	SPORT		244-10		
1991	49260	025257	87	CHINOOK	TERRACE CDP	HADENCHILD CR	BC	CDFO	16,396	22,614	09/20/88	07/19/91	SELECT	KODIAK	COMMERCIAL	SEINE	257	720	
1991	49261	043202	87	CHINOOK	CRYSTAL LAKE	EARL WEST COV 107-40	AK	ADFG	48,105	394,200	05/31/89	07/19/91	SELECT	KODIAK	COMMERCIAL	SEINE	257	690	
1991	49262	212549	88	CHINOOK	QUINLAULT LAKE HATCHERY	QUINLAULT RIVER	WA	QDNR	147,936	770,200	06/27/89	07/19/91	SELECT	KODIAK	COMMERCIAL	SEINE	257	590	
1991	49263	043058	87	CHINOOK	NEETS BAY	NEETS BAY 101-90	AK	SSRA	9,408	75,145	05/14/89	07/20/91	SELECT	KODIAK	COMMERCIAL	SEINE	256-30	680	
1991	49264	232113	86	CHINOOK	BONNEVILLE HATCHERY	COLUMBIA RIVER @ NOR	WA	NMFS	17,120	18,896	06/28/87	07/22/91	SELECT	KODIAK	COMMERCIAL	SEINE	251-20	860	
1991	49265	024960	87	CHINOOK	ROBERTSON CREEK	ROBERTSON CREEK	BC	CDFO	24,425	863,163	05/31/88	07/22/91	SELECT	KODIAK	COMMERCIAL	SEINE	256-30	780	
1991	49266	024818	87	CHINOOK	CONUMA RIVER	CONUMA RIVER	BC	CDFO	51,528	1,763,534	05/10/88	07/22/91	SELECT	KODIAK	COMMERCIAL	SEINE	262-80	790	
1991	49267	032135	87	CHINOOK	LITTLE PORT WALTER	L PORT WALTER 109-10	AK	NMFS	8,236	8,327	05/15/89	07/22/91	SELECT	KODIAK	COMMERCIAL	SEINE	262-80	720	
1991	49268	025402	87	CHINOOK	NTINAT RIVER	NTINAT RIVER	BC	CDFO	53,081	2,101,120	05/05/88	07/22/91	SELECT	KODIAK	COMMERCIAL	SEINE	262-80	750	
1991	49269	025915	88	CHINOOK	CONUMA RIVER	CONUMA ESTUARY	BC	CDFO	54,092	296,534	05/31/89	07/22/91	SELECT	KODIAK	COMMERCIAL	SEINE	262-80	640	
1991	49270	025839	88	CHINOOK	ROBERTSON CREEK	ROBERTSON CREEK	BC	CDFO	25,298	961,819	06/05/89	07/22/91	SELECT	KODIAK	COMMERCIAL	SEINE	262-80	590	
1991	49271	025014	88	CHINOOK	ROBERTSON CREEK	ROBERTSON CREEK	BC	CDFO	25,393	653,101	05/30/89	07/22/91	SELECT	KODIAK	COMMERCIAL	SEINE	262-80	660	
1991	49272	024810	87	CHINOOK	ROBERTSON CREEK	ROBERTSON CREEK	BC	CDFO	29,060	330,595	05/31/88	07/24/91	SELECT	KODIAK	COMMERCIAL	SEINE	254-10	780	
1991	49273	635235	87	CHINOOK	HUMPTULIPS HATCHERY	STEVENS CREEK	WA	WDF	209,254	312,300	06/27/88	07/24/91	SELECT	KODIAK	COMMERCIAL	SEINE	254-10	760	
1991	49274	024921	87	CHINOOK	CLAYOQUOT CDP	KENNEDY RIVER LOWER	BC	CDFO	21,332	21,587	06/13/88	07/24/91	SELECT	KODIAK	COMMERCIAL	SEINE	254-10	680	
1991	49275	025958	88	CHINOOK	SNOOTLI CREEK	ATNARKO RIVER LOWER	BC	CDFO	26,470	49,118	06/06/89	07/24/91	SELECT	KODIAK	COMMERCIAL	SEINE	254-10	610	
1991	49276	025503	87	CHINOOK	CONUMA RIVER	CONUMA ESTUARY	BC	CDFO	31,410	101,610	05/16/88	07/24/91	SELECT	KODIAK	COMMERCIAL	SEINE	262-80	800	
1991	49277	020232	89	CHINOOK	ROBERTSON CREEK	CHINA CREEK	BC	CDFO	17,648	17,648	05/17/90	07/24/91	SELECT	KODIAK	COMMERCIAL	SEINE	262-80	900	
1991	49278	211907	87	CHINOOK	HOKO RIVER POND (MA	HOKO RIVER	WA	MAKA	199,740	239,158	06/03/88	07/25/91	SELECT	KODIAK	COMMERCIAL	SEINE	262-80	820	
1991	49281	635259	88	CHINOOK	HUMPTULIPS HATCHERY	STEVENS CREEK	WA	WDF	206,735	492,150	07/11/89	07/15/91	SELECT	KODIAK	COMMERCIAL	SEINE	259-40	510	

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Year	Head Number	Tag Code	BR YR	Recovered Species	Hatchery or Wild Stock	Release Site	Release State	Agency	Number Marked	Number Released	Date of Release	Recovery Date	Sample Type	Port	Sample Source	Gear	District Subdistrict	Length	Prf Sree Contrib.
1991	49282	024803	87	CHINOOK	ROBERTSON CREEK	ROBERTSON CREEK	BC	CDFO	31,791	31,791	05/31/88	07/15/91	SELECT	KODIAK	COMMERCIAL	SEINE	259-40	670	
1991	49283	025832	88	CHINOOK	CONUMA RIVER	CONUMA RIVER	BC	CDFO	27,020	181,864	06/01/89	07/15/91	SELECT	KODIAK	COMMERCIAL	SEINE	259-40	580	
1991	49284	074504	88	CHINOOK	SF KLASKANINE POND	YOUNGS R & BAY	OR	ODFW	26,670	54,309	03/06/90	07/15/91	SELECT	KODIAK	COMMERCIAL	SEINE	259-40	510	
1991	49285	024926	88	CHINOOK	SAN JUAN RIVER CDP	SAN JUAN RIVER	BC	CDFO	20,596	20,804	06/20/89	07/15/91	SELECT	KODIAK	COMMERCIAL	SEINE	259-40	560	
1991	49286	213152	88	CHINOOK	QUINULT NATIONAL FI	COOK CREEK (QUINULT	WA	FWS	38,928	99,687	07/26/89	07/15/91	SELECT	KODIAK	COMMERCIAL	SEINE	259-40	520	
1991	49287	025811	88	CHINOOK	NITINAT RIVER	NITINAT RIVER	BC	CDFO	26,677	1,040,250	06/02/89	07/15/91	SELECT	KODIAK	COMMERCIAL	SEINE	259-40	500	
1991	49288	025146	88	CHINOOK	SAN JUAN RIVER CDP	SAN JUAN RIVER	BC	CDFO	21,320	21,535	06/20/89	07/15/91	SELECT	KODIAK	COMMERCIAL	SEINE	259-40	460	
1991	49290	025836	88	CHINOOK	ROBERTSON CREEK	ROBERTSON CREEK	BC	CDFO	25,389	1,514,826	06/05/89	07/11/91	SELECT	KODIAK	COMMERCIAL	SEINE	258-10	520	
1991	49280	025327	87	CHINOOK	ROBERTSON CREEK	ROBERTSON CREEK	BC	CDFO	23,657	436,116	05/31/88	07/22/91	SELECT	KODIAK	COMMERCIAL	SEINE	257-40	670	
1991	65001	020130	89	CHINOOK	CLAYOQUOT CDP	KENNEDY RIVER LOWER	BC	CDFO	26,979	51,942	06/07/90	07/03/91	RANDOM	SEWARD	COMMERCIAL	SEINE	221	329	2.10
1991	94421	635247	88	CHINOOK	LEWIS RIVER HATCHERY	LEWIS RIVER	WA	WDF	113,890	190,800	04/06/90	08/05/91	VOLUNT	SEWARD	SPORT		231		
1991	65009	020149	89	CHINOOK	ROBERTSON CREEK	TOQUART RIVER	BC	CDFO	17,207	17,207	05/17/90	07/03/91	SELECT	SEWARD	COMMERCIAL	SEINE	221		
1991	66304	025839	88	CHINOOK	ROBERTSON CREEK	ROBERTSON CREEK	BC	CDFO	25,298	961,819	06/05/89	05/24/91	RANDOM	VALDEZ	COMMERCIAL	GILLNET	212	554	100.86
1991	66311	025908	88	CHINOOK	PALLANT CREEK	PALLANT CREEK	BC	CDFO	27,330	62,825	06/13/89	05/27/91	RANDOM	VALDEZ	COMMERCIAL	GILLNET	212	554	6.28
1991	66415	311830	88	CHINOOK	FORT RICHARDSON	NINILCHIK R 244-20	AK	ADFG	19,413	200,203	06/01/89	05/31/91	RANDOM	VALDEZ	COMMERCIAL	GILLNET	212	564	28.20
1991	66115	311758	87	CHINOOK	FORT RICHARDSON	DECEPTION CR 247-41	AK	ADFG	20,936	201,091	07/12/88	05/31/91	RANDOM	VALDEZ	COMMERCIAL	GILLNET	212	756	26.26
1991	66231	073361	84	CHINOOK	LOOKINGGLASS CR	LOOKINGGLASS CR	OR	ODFW	48,761	87,573	04/02/86	06/04/91	RANDOM	VALDEZ	COMMERCIAL	GILLNET	212	914	3.37
1991	66126	311831	88	CHINOOK	FORT RICHARDSON	MONTANA CR 247-41	AK	ADFG	20,327	200,179	06/07/89	06/07/91	RANDOM	VALDEZ	COMMERCIAL	GILLNET	212	486	18.49
1991	66501	075158	88	CHINOOK	MCKENZIE	MCKENZIE R-1	OR	ODFW	15,287	106,572	11/09/89	06/11/91	RANDOM	VALDEZ	COMMERCIAL	GILLNET	212	477	15.69
1991	66502	024806	87	CHINOOK	ROBERTSON CREEK	ROBERTSON CREEK	BC	CDFO	32,201	32,201	05/31/88	06/11/91	RANDOM	VALDEZ	COMMERCIAL	GILLNET	212	620	2.25
1991	66503	634759	87	CHINOOK	SOLEDUCK HATCHERY	SOLEDUCK RIVER	WA	WDF	43,167	141,067	05/08/89	06/11/91	RANDOM	VALDEZ	COMMERCIAL	GILLNET	212	542	7.35
1991	66504	075208	88	CHINOOK	DEXTER PONDS	SANTIAM R, S FK	OR	ODFW	33,177	479,297	11/15/89	06/11/91	RANDOM	VALDEZ	COMMERCIAL	GILLNET	212	530	32.52
1991	66806	075161	88	CHINOOK	MCKENZIE	MCKENZIE R-1	OR	ODFW	15,345	221,202	03/08/90	06/11/91	RANDOM	VALDEZ	COMMERCIAL	GILLNET	212	480	32.45
1991	66601	075161	88	CHINOOK	MCKENZIE	MCKENZIE R-1	OR	ODFW	15,345	221,202	03/08/90	06/14/91	RANDOM	VALDEZ	COMMERCIAL	GILLNET	212	560	32.45
1991	66454	025630	88	CHINOOK	ROBERTSON CREEK	STAMP RIVER	BC	CDFO	10,385	10,394	05/17/89	06/21/91	RANDOM	VALDEZ	COMMERCIAL	GILLNET	212	557	2.60
1991	66616	630456	88	CHINOOK	(W) LEWIS RIVER STOC	LEWIS RIVER	WA	WDF	98,049	104,373	06/13/89	06/21/91	RANDOM	VALDEZ	COMMERCIAL	GILLNET	212-15	545	2.76
1991	66617	635252	88	CHINOOK	(W) HANFORD REACH ST	COLUMBIA RIVER AT HA	WA	WDF	200,630	205,774	06/10/89	06/21/91	RANDOM	VALDEZ	COMMERCIAL	GILLNET	212-15	560	2.66
1991	66343	026055	88	CHINOOK	ROBERTSON CREEK	ROBERTSON CREEK	BC	CDFO	25,330	702,240	06/05/89	06/21/91	RANDOM	VALDEZ	COMMERCIAL	GILLNET	212-15	597	71.97
1991	66344	233135	88	CHINOOK	BONNEVILLE HATCHERY	COLUMBIA RIVER @ NOR	WA	NMFS	29,695	30,125	07/15/89	06/21/91	RANDOM	VALDEZ	COMMERCIAL	GILLNET	212-15	510	2.63
1991	66618	025817	88	CHINOOK	QUINSAM RIVER	QUINSAM RIVER	BC	CDFO	25,029	293,909	04/21/89	06/21/91	RANDOM	VALDEZ	COMMERCIAL	GILLNET	212	540	30.48
1991	66619	025654	88	CHINOOK	ROBERTSON CREEK	POET'S NOOK	BC	CDFO	10,091	10,100	05/18/89	06/21/91	RANDOM	VALDEZ	COMMERCIAL	GILLNET	212	530	2.60
1991	66723	025908	88	CHINOOK	PALLANT CREEK	PALLANT CREEK	BC	CDFO	27,330	62,825	06/13/89	06/21/91	RANDOM	VALDEZ	COMMERCIAL	GILLNET	PWS	540	
1991	67201	073721	88	CHINOOK	MARION FORKS	SANTIAM R & N FK-1	OR	ODFW	15,931	225,255	03/08/90	06/25/91	RANDOM	VALDEZ	COMMERCIAL	GILLNET	212	517	20.59
1991	68022	025908	88	CHINOOK	PALLANT CREEK	PALLANT CREEK	BC	CDFO	27,330	62,825	06/13/89	07/03/91	RANDOM	VALDEZ	COMMERCIAL	SEINE	221	593	2.51
1991	68023	025531	88	CHINOOK	KITIMAT RIVER	HIRSCH CREEK	BC	CDFO	27,106	72,205	05/10/89	07/03/91	RANDOM	VALDEZ	COMMERCIAL	SEINE	221	568	2.91
1991	68024	042830	86	CHINOOK	HIDDEN FALLS	KASNYKU BAY 112-11	AK	ADFG	13,961	14,588	05/28/88	07/03/91	RANDOM	VALDEZ	COMMERCIAL	SEINE	221-60	694	1.14
1991	70102	471609	88	CHINOOK	TAMGAS CREEK	TAMGAS CR	AK	MIC	109,656	1,063,778	05/15/90	07/13/91	RANDOM	VALDEZ	COMMERCIAL	SEINE	221	382	6.93
1991	72506	020647	89	CHINOOK	ROBERTSON CREEK	ROBERTSON CREEK	BC	CDFO	25,670	1,457,642	06/05/90	08/12/91	RANDOM	VALDEZ	COMMERCIAL	SEINE	222-20	364	
1991	21335	043101	86	CHINOOK	CARROLL INLET	CARROLL INLET 101-45	AK	SSRA	41,644	395,290	05/21/88	09/14/91	RANDOM	VALDEZ	COMMERCIAL	GILLNET	PWS	800	
1991	58162	042717	87	CHINOOK	(W) KELSALL R	KELSALL R 115-32	AK	ADFG	4,553	4,553	10/28/88	07/07/91	RANDOM	WHITTIER	COMMERCIAL	GILLNET	225-21	550	0.12
1991	58562	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	07/23/91	RANDOM	WHITTIER	COMMERCIAL	GILLNET	225-21	450	2.56
1991	28747	032045	87	CHINOOK	LITTLE PORT WALTER	L PORT WALTER 109-10	AK	NMFS	2,033	2,033	05/15/89	06/24/91	RANDOM	ANCHORAGE	COMMERCIAL	GILLNET	PWS		
1992	89154	024921	87	CHINOOK	CLAYOQUOT CDP	KENNEDY RIVER LOWER	BC	CDFO	21,332	21,587	06/13/88	05/15/92	RANDOM	CORDOVA	COMMERCIAL	GILLNET	212	975	2.51
1992	89121	043142	87	CHINOOK	CARROLL INLET	CARROLL INLET 101-45	AK	SSRA	43,677	352,093	05/25/89	05/30/92	RANDOM	CORDOVA	COMMERCIAL	GILLNET	212	900	20.45
1992	89122	043306	88	CHINOOK	NEETS BAY	NEETS BAY 101-90	AK	SSRA	10,208	101,400	05/21/90	05/30/92	RANDOM	CORDOVA	COMMERCIAL	GILLNET	212	490	25.20
1992	89464	075501	89	CHINOOK	SOUTH SANTIAM HATCHE	SANTIAM R, S FK	OR	ODFW	127,939	402,459	11/19/90	05/30/92	RANDOM	CORDOVA	COMMERCIAL	GILLNET	212	555	7.98
1992	89045	075501	89	CHINOOK	SOUTH SANTIAM HATCHE	SANTIAM R, S FK	OR	ODFW	127,939	402,459	11/19/90	06/02/92	RANDOM	CORDOVA	COMMERCIAL	GILLNET	212	497	16.68
1992	89364	311852	89	CHINOOK	FORT RICHARDSON	DECEPTION CR 247-41	AK	ADFG	39,427	216,697	05/24/90	06/20/92	RANDOM	CORDOVA	COMMERCIAL	GILLNET	212	544	28.76
1992	89441	075508	89	CHINOOK	WILLAMETTE HATCHERY	WILLAMETTE R & TRIBS	OR	ODFW	27,546	47,680	02/28/91	06/23/92	RANDOM	CORDOVA	COMMERCIAL	GILLNET	212	443	8.62

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Year	Head Number	Tag Code	BR YR	Recovered Species	Hatchery or Wild Stock	Release Site	Release State	Agency	Number Marked	Number Released	Date of Release	Recovery Date	Sample Type	Port	Sample Source	Gear	District Subdistrict	Length	Pref Sree Contrib.
1992	90679	025409	88	CHINOOK	KITIMAT RIVER	KITIMAT LOWER	BC	CDFO	52,828	1,600,263	05/16/89	07/10/92	SELECT	CORDOVA	COMMERCIAL	GILLNET	225	771	
1992	91504	025629	88	CHINOOK	CONUMA RIVER	CONUMA RIVER	BC	CDFO	25,937	26,808	05/09/89	08/21/92	RANDOM	CORDOVA	COMMERCIAL	GILLNET	PWS	690	
1992	89601	311916	88	CHINOOK	WALLY NOERENBERG	FLEMING SPIT 221-10	AK	PWSA	5,124	20,282	05/18/90	06/09/92	VOLUNT	CORDOVA	SPORT		221		
1992	01001	032040	87	CHINOOK	LITTLE PORT WALTER	L PORT WALTER 109-10	AK	NMFS	3,698	3,789	05/15/89	04/16/92	VOLUNT	HOMER	SPORT		241		
1992	01002	025328	87	CHINOOK	ROBERTSON CREEK	ROBERTSON CREEK	BC	CDFO	25,640	509,827	05/31/88		VOLUNT	HOMER	SPORT		241		
1992	01003	024925	87	CHINOOK	CLAYOQUOT CDP	KENNEDY RIVER LOWER	BC	CDFO	21,028	21,280	06/13/88	02/29/92	VOLUNT	HOMER	SPORT		241		
1992	01004	020645	89	CHINOOK	ROBERTSON CREEK	ROBERTSON CREEK	BC	CDFO	25,653	708,931	06/05/90	03/03/92	VOLUNT	HOMER	SPORT		241		
1992	01005	024924	87	CHINOOK	CLAYOQUOT CDP	KENNEDY RIVER LOWER	BC	CDFO	21,102	21,355	06/13/88	03/12/92	VOLUNT	HOMER	SPORT		241		
1992	01006	024923	87	CHINOOK	CLAYOQUOT CDP	KENNEDY RIVER LOWER	BC	CDFO	21,565	21,823	06/13/88	03/14/92	VOLUNT	HOMER	SPORT		241		
1992	01007	024924	87	CHINOOK	CLAYOQUOT CDP	KENNEDY RIVER LOWER	BC	CDFO	21,102	21,355	06/13/88	03/16/92	VOLUNT	HOMER	SPORT		241		
1992	01008	024922	87	CHINOOK	CLAYOQUOT CDP	KENNEDY RIVER LOWER	BC	CDFO	21,634	21,893	06/13/88	03/21/92	VOLUNT	HOMER	SPORT		241		
1992	01009	025329	87	CHINOOK	ROBERTSON CREEK	ROBERTSON CREEK	BC	CDFO	25,951	522,172	05/31/88	03/25/92	VOLUNT	HOMER	SPORT		241		
1992	01010	025909	88	CHINOOK	PALLANT CREEK	PALLANT CREEK	BC	CDFO	27,920	64,813	06/06/89	04/05/92	VOLUNT	HOMER	SPORT		241		
1992	01011	025908	88	CHINOOK	PALLANT CREEK	PALLANT CREEK	BC	CDFO	27,330	62,825	06/13/89	04/05/92	VOLUNT	HOMER	SPORT		241		
1992	01012	025837	88	CHINOOK	ROBERTSON CREEK	ROBERTSON CREEK	BC	CDFO	25,026	1,100,530	06/05/89	04/06/92	VOLUNT	HOMER	SPORT		241		
1992	01013	024810	87	CHINOOK	ROBERTSON CREEK	ROBERTSON CREEK	BC	CDFO	29,060	330,595	05/31/88	04/06/92	VOLUNT	HOMER	SPORT		241		
1992	01014	024921	87	CHINOOK	CLAYOQUOT CDP	KENNEDY RIVER LOWER	BC	CDFO	21,332	21,587	06/13/88	04/10/92	VOLUNT	HOMER	SPORT		241		
1992	01015	025957	88	CHINOOK	SNOOTLI CREEK	ATNARKO RIVER LOWER	BC	CDFO	25,595	50,169	06/06/89	04/21/92	VOLUNT	HOMER	SPORT		241		
1992	01016	025831	88	CHINOOK	CONUMA RIVER	CONUMA RIVER	BC	CDFO	24,978	25,156	06/01/89	04/22/92	VOLUNT	HOMER	SPORT		241		
1992	01017	311762	87	CHINOOK	FORT RICHARDSON	NINILCHIK R 244-20	AK	ADFG	30,944	248,586	07/06/88	05/18/92	VOLUNT	HOMER	SPORT		244		
1992	09303	311735	89	CHINOOK	FORT RICHARDSON	NINILCHIK R 244-20	AK	ADFG	39,513	215,804	05/30/90	05/11/92	VOLUNT	HOMER	SPORT		244-10		
1992	09304	024810	87	CHINOOK	ROBERTSON CREEK	ROBERTSON CREEK	BC	CDFO	29,060	330,595	05/31/88	05/11/92	VOLUNT	HOMER	SPORT		244-10		
1992	09305	311762	87	CHINOOK	FORT RICHARDSON	NINILCHIK R 244-20	AK	ADFG	30,944	248,586	07/06/88	05/11/92	VOLUNT	HOMER	SPORT		244-10		
1992	30110	025836	88	CHINOOK	ROBERTSON CREEK	ROBERTSON CREEK	BC	CDFO	25,389	1,514,826	06/05/89	08/16/92	VOLUNT	HOMER	SPORT		241-13	865	
1992	30188	025909	88	CHINOOK	PALLANT CREEK	PALLANT CREEK	BC	CDFO	27,920	64,813	06/06/89	07/22/92	VOLUNT	HOMER	SPORT		241-12		
1992	36771	020150	89	CHINOOK	ROBERTSON CREEK	TOQUART RIVER	BC	CDFO	14,812	14,812	05/17/90	06/17/92	SELECT	KODIAK	COMMERCIAL	SEINE	257	520	
1992	36772	032037	87	CHINOOK	LITTLE PORT WALTER	L PORT WALTER 109-10	AK	NMFS	4,022	4,022	05/15/89	06/17/92	SELECT	KODIAK	COMMERCIAL	SEINE	257	760	
1992	36773	020658	89	CHINOOK	CONUMA RIVER	CONUMA ESTUARY	BC	CDFO	26,517	160,602	05/30/90	06/17/92	SELECT	KODIAK	COMMERCIAL	SEINE	257	550	
1992	36774	020658	89	CHINOOK	CONUMA RIVER	CONUMA ESTUARY	BC	CDFO	26,517	160,602	05/30/90	06/17/92	SELECT	KODIAK	COMMERCIAL	SEINE	257	610	
1992	36775	020442	89	CHINOOK	ROBERTSON CREEK	NAHMINT ESTUARY	BC	CDFO	32,634	56,862	05/16/90	06/26/92	SELECT	KODIAK	COMMERCIAL	SEINE	253	600	
1992	36776	021316	90	CHINOOK	CONUMA RIVER	CONUMA RIVER	BC	CDFO	26,555	27,098	05/23/91	07/24/92	SELECT	KODIAK	COMMERCIAL	SEINE	259	440	
1992	36777	025915	88	CHINOOK	CONUMA RIVER	CONUMA ESTUARY	BC	CDFO	54,092	296,534	05/31/89	07/24/92	SELECT	KODIAK	COMMERCIAL	SEINE	259	940	
1992	36778	020442	89	CHINOOK	ROBERTSON CREEK	NAHMINT ESTUARY	BC	CDFO	32,634	56,862	05/16/90		SELECT	KODIAK	COMMERCIAL	SEINE	252	620	
1992	02969	043221	87	CHINOOK	SHELDON JACKSON	SITKA SOUND 113-41	AK	SJ	10,839	48,522	05/22/89	06/09/92	SELECT	KODIAK	COMMERCIAL	GILLNET	253	762	
1992	02957	024922	87	CHINOOK	CLAYOQUOT CDP	KENNEDY RIVER LOWER	BC	CDFO	21,634	21,893	06/13/88	11/15/92	VOLUNT	KODIAK	SPORT		259-21		
1992	02958	025327	87	CHINOOK	ROBERTSON CREEK	ROBERTSON CREEK	BC	CDFO	23,657	436,116	05/31/88	10/15/92	VOLUNT	KODIAK	SPORT		259-21		
1992	36769	025915	88	CHINOOK	CONUMA RIVER	CONUMA ESTUARY	BC	CDFO	54,092	296,534	05/31/89	08/08/92	VOLUNT	KODIAK	SPORT		259		
1992	36770	025146	88	CHINOOK	SAN JUAN RIVER CDP	SAN JUAN RIVER	BC	CDFO	21,320	21,535	06/20/89	08/17/92	VOLUNT	KODIAK	SPORT		259	701	
1992	01019	025915	88	CHINOOK	CONUMA RIVER	CONUMA ESTUARY	BC	CDFO	54,092	296,534	05/31/89	05/28/92	SELECT	KODIAK	COMMERCIAL	SEINE	254-30	605	
1992	74102	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/12/92	SELECT	VALDEZ	COMMERCIAL	GILLNET	212-15		
1992	74103	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/12/92	SELECT	VALDEZ	COMMERCIAL	GILLNET	212-15		
1992	74104	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/12/92	SELECT	VALDEZ	COMMERCIAL	GILLNET	212-15		
1992	74051	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/12/92	RANDOM	VALDEZ	COST RECOVERY		223-40	687	9.64
1992	74052	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/12/92	RANDOM	VALDEZ	COST RECOVERY		223-40	664	9.64
1992	74053	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/12/92	RANDOM	VALDEZ	COST RECOVERY		223-40	701	9.64
1992	74054	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/12/92	RANDOM	VALDEZ	COST RECOVERY		223-40	708	9.64
1992	74055	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/12/92	RANDOM	VALDEZ	COST RECOVERY		223-40	698	9.64
1992	74056	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/12/92	RANDOM	VALDEZ	COST RECOVERY		223-40	745	9.64
1992	74057	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/12/92	RANDOM	VALDEZ	COST RECOVERY		223-40	749	9.64
1992	74058	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/12/92	RANDOM	VALDEZ	COST RECOVERY		223-40	724	9.64

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Year	Head Number	Tag Code	BR YR	Recovered Species	Hatchery or Wild Stock	Release Site	Release State	Agency	Number Marked	Number Released	Date of Release	Recovery Date	Sample Type	Port	Sample Source	Gear	District Subdistrict	Length	Pref Ssrc Contrib.
1992	74059	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/12/92	RANDOM	VALDEZ	COST RECOVERY		223-40	726	9.64
1992	74060	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/12/92	RANDOM	VALDEZ	COST RECOVERY		223-40	673	9.64
1992	74041	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/12/92	RANDOM	VALDEZ	COMMERCIAL	GILLNET	223-40	640	17.26
1992	74112	311852	89	CHINOOK	FORT RICHARDSON	DECEPTION CR 247-41	AK	ADFG	39,427	216,697	05/24/90	06/16/92	RANDOM	VALDEZ	COMMERCIAL	GILLNET	225	572	23.36
1992	74285	020658	89	CHINOOK	CONUMA RIVER	CONUMA ESTUARY	BC	CDFO	26,517	160,602	05/30/90	06/23/92	RANDOM	VALDEZ	COMMERCIAL	GILLNET	212	562	30.19
1992	74115	020647	89	CHINOOK	ROBERTSON CREEK	ROBERTSON CREEK	BC	CDFO	25,670	1,457,642	06/05/90	06/23/92	RANDOM	VALDEZ	COMMERCIAL	GILLNET	212	668	283.06
1992	74334	043415	88	CHINOOK	SNETTISHAM	AUKE BAY 111-50	AK	ADFG	30,453	144,609	06/08/90	06/27/92	RANDOM	VALDEZ	COMMERCIAL	GILLNET	225-30	588	17.63
1992	74098	075161	88	CHINOOK	MCKENZIE	MCKENZIE R-1	OR	ODFW	15,345	221,202	03/08/90	06/27/92	RANDOM	VALDEZ	COMMERCIAL	GILLNET	PWS	629	
1992	75752	020344	90	CHINOOK	OWEEKENO CDP	RIVERS INLET SEAPENS	BC	CDFO	27,167	89,888	05/25/91	07/06/92	RANDOM	VALDEZ	COST RECOVERY		221-60	388	1.10
1992	75746	042710	88	CHINOOK	(W) CHILKAT R 115-32	CHILKAT R 115-32	AK	ADFG	9,778	9,897	11/08/89	07/07/92	RANDOM	VALDEZ	COMMERCIAL	GILLNET	225	520	2.02
1992	76119	043406	88	CHINOOK	CRYSTAL LAKE	CRYSTAL CR 106-44	AK	ADFG	20,788	246,808	05/16/90	07/10/92	RANDOM	VALDEZ	COMMERCIAL	GILLNET	PWS	522	
1992	76017	020246	89	CHINOOK	SNOOTLI CREEK	ATNARKO RIVER UPPER	BC	CDFO	24,544	370,086	06/08/90	07/14/92	RANDOM	VALDEZ	COMMERCIAL	GILLNET	225-30	557	63.33
1992	76147	020247	89	CHINOOK	SNOOTLI CREEK	ATNARKO RIVER UPPER	BC	CDFO	23,906	360,467	06/08/90	07/14/92	RANDOM	VALDEZ	COMMERCIAL	GILLNET	225	540	63.33
1992	76080	020344	90	CHINOOK	OWEEKENO CDP	RIVERS INLET SEAPENS	BC	CDFO	27,167	89,888	05/25/91	07/16/92	RANDOM	VALDEZ	COMMERCIAL	SEINE	221-60	372	3.31
1992	76311	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	07/18/92	RANDOM	VALDEZ	COMMERCIAL	GILLNET	PWS	713	
1992	76312	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	07/18/92	RANDOM	VALDEZ	COMMERCIAL	GILLNET	PWS	688	
1992	76216	075161	88	CHINOOK	MCKENZIE	MCKENZIE R-1	OR	ODFW	15,345	221,202	03/08/90	07/18/92	RANDOM	VALDEZ	COMMERCIAL	GILLNET	212	687	21.62
1992	79957	043239	88	CHINOOK	HIDDEN FALLS	LUTAK INLET 115-33	AK	NSRA	20,296	20,543	05/21/90	08/22/92	RANDOM	VALDEZ	COMMERCIAL		223-40	635	
1992	79920	630732	89	CHINOOK	PRIEST RAPIDS SPAWNI	COLUMBIA RIVER - GEN	WA	WDF	194,530	6,230,590	06/19/90	08/20/92	SELECT	VALDEZ	COMMERCIAL	SEINE	223-40	565	
1992	63801	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/16/92	RANDOM	ANCHORAGE	COST RECOVERY		223-40	660	4.33
1992	63802	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/16/92	RANDOM	ANCHORAGE	COST RECOVERY		223-40	710	4.33
1992	63803	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/16/92	RANDOM	ANCHORAGE	COST RECOVERY		223-40	643	4.33
1992	63804	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/16/92	RANDOM	ANCHORAGE	COST RECOVERY		223-40	725	4.33
1992	63805	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/16/92	RANDOM	ANCHORAGE	COST RECOVERY		223-40	748	4.33
1992	63806	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/16/92	RANDOM	ANCHORAGE	COST RECOVERY		223-40	723	4.33
1992	63807	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/20/92	RANDOM	ANCHORAGE	COST RECOVERY		223-40	714	4.33
1992	63808	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/20/92	RANDOM	ANCHORAGE	COST RECOVERY		223-40	680	4.33
1993	35552	075501	89	CHINOOK	SOUTH SANTIAM HATCHE	SANTIAM R, S FK	OR	ODFW	127,939	402,459	11/19/90	05/18/93	RANDOM	CORDOVA	COMMERCIAL	GILLNET	212	650	17.09
1993	35653	020632	89	CHINOOK	NITINAT RIVER	NITINAT RIVER	BC	CDFO	27,134	602,938	05/19/90	05/24/93	RANDOM	CORDOVA	COMMERCIAL	GILLNET	212	640	115.99
1993	35727	311916	88	CHINOOK	WALLY NOERENBERG	FLEMING SPIT 221-10	AK	PWSA	5,124	20,282	05/18/90	05/27/93	RANDOM	CORDOVA	COMMERCIAL	GILLNET	212	845	20.66
1993	35728	311734	89	CHINOOK	FORT RICHARDSON	DECEPTION CR 247-41	AK	ADFG	40,531	219,362	05/23/90	05/27/93	RANDOM	CORDOVA	COMMERCIAL	GILLNET	212	830	28.25
1993	35730	075626	90	CHINOOK	DEXTER PONDS	SANTIAM R, S FK	OR	ODFW	158,403	478,559	11/13/91	05/27/93	RANDOM	CORDOVA	COMMERCIAL	GILLNET	212	485	15.77
1993	35571	075504	89	CHINOOK	SOUTH SANTIAM HATCHE	SANTIAM R, S FK	OR	ODFW	96,647	299,715	03/06/91	06/01/93	RANDOM	CORDOVA	COMMERCIAL	GILLNET	212	575	19.32
1993	35739	043238	88	CHINOOK	HIDDEN FALLS	LUTAK INLET 115-33	AK	NSRA	17,900	18,117	05/21/90	06/01/93	RANDOM	CORDOVA	COMMERCIAL	GILLNET	212	645	6.31
1993	35577	311916	88	CHINOOK	WALLY NOERENBERG	FLEMING SPIT 221-10	AK	PWSA	5,124	20,282	05/18/90	06/04/93	RANDOM	CORDOVA	COMMERCIAL	GILLNET	212	815	24.66
1993	35758	630759	89	CHINOOK	SIMILKAMEEN POND	SIMILKAMEEN RIVER	WA	WDF	116,821	203,795	05/21/91	06/08/93	RANDOM	CORDOVA	COMMERCIAL	GILLNET	223-40	605	2.48
1993	35759	311947	89	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	30,772	241,348	05/28/91	06/08/93	RANDOM	CORDOVA	COMMERCIAL	GILLNET	223-40	680	11.14
1993	35760	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/08/93	RANDOM	CORDOVA	COMMERCIAL	GILLNET	223-40	810	5.45
1993	35761	635644	89	CHINOOK	COWLITZ SALMON HATCH	COWLITZ RIVER	WA	WDF	34,008	104,232	04/05/91	06/08/93	RANDOM	CORDOVA	COMMERCIAL	GILLNET	223-40	590	4.35
1993	35777	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/12/93	RANDOM	CORDOVA	COMMERCIAL	GILLNET	223-40	840	5.45
1993	35773	075502	89	CHINOOK	SOUTH SANTIAM HATCHE	SANTIAM R, S FK	OR	ODFW	129,140	400,083	03/05/91	06/12/93	RANDOM	CORDOVA	COMMERCIAL	GILLNET	212	700	20.77
1993	35786	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/15/93	RANDOM	CORDOVA	COMMERCIAL	GILLNET	223-40	840	3.69
1993	50218	311916	88	CHINOOK	WALLY NOERENBERG	FLEMING SPIT 221-10	AK	PWSA	5,124	20,282	05/18/90	06/19/93	RANDOM	CORDOVA	COMMERCIAL	GILLNET	212	840	28.98
1993	50153	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/18/93	RANDOM	CORDOVA	COMMERCIAL	GILLNET	223-40	880	3.69
1993	50056	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/22/93	RANDOM	CORDOVA	COMMERCIAL	GILLNET	223-40	726	4.69
1993	50057	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/22/93	RANDOM	CORDOVA	COMMERCIAL	GILLNET	223-40	732	4.69
1993	50233	024940	89	CHINOOK	GOLD RIVER PIP	GOLD RIVER	BC	CDFO	28,636	160,644	05/31/90	06/22/93	RANDOM	CORDOVA	COMMERCIAL	GILLNET	PWS	650	
1993	82648	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/25/93	RANDOM	CORDOVA	COMMERCIAL	GILLNET	223-40	837	4.69
1993	50501	021533	90	CHINOOK	KITIMAT RIVER	KITIMAT UPPER	BC	CDFO	53,806	649,206	05/13/91	06/29/93	RANDOM	CORDOVA	COMMERCIAL	GILLNET	223-40	634	17.40

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Year	Head Number	Tag Code	BR YR	Recovered Species	Hatchery or Wild Stock	Release Site	Release State	Agency	Number Marked	Number Released	Date of Release	Recovery Date	Sample Type	Port	Sample Source	Gear	District Subdistrict	Length	Pref Srcr Contrib.
1993	50502	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/29/93	RANDOM	CORDOVA	COMMERCIAL	GILLNET	223-40	801	5.53
1993	50510	311953	89	CHINOOK	WALLY NOERENBERG	WHITTIER + CORDOVA	AK	PWSA	10,008	169,549	05/28/91	06/29/93	RANDOM	CORDOVA	COMMERCIAL	GILLNET	225	664	110.12
1993	50938	0401011009	89	CHINOOK	JERRY MYERS	TAHINI R 115-32	AK	ADFG	10,955	11,021	05/14/90	07/06/93	RANDOM	CORDOVA	COMMERCIAL	GILLNET	212	575	1.51
1993	92233	043536	89	CHINOOK	DEER MOUNTAIN	THORNE BAY 102-70	AK	ADFG	9,552	12,378	05/29/91	09/15/93	RANDOM	CORDOVA	COMMERCIAL	GILLNET	PWS	598	
1993	64445	020130	89	CHINOOK	CLAYOQUOT CDP	KENNEDY RIVER LOWER	BC	CDFO	26,979	51,942	06/07/90	08/17/93	VOLUNT	HOMER	SPORT		241	813	
1993	64446	020653	89	CHINOOK	CONUMA RIVER	CONUMA RIVER	BC	CDFO	26,908	27,017	05/15/90	03/30/93	VOLUNT	HOMER	SPORT		241-12	483	
1993	64447	020653	89	CHINOOK	CONUMA RIVER	CONUMA RIVER	BC	CDFO	26,908	27,017	05/15/90	03/21/93	VOLUNT	HOMER	SPORT		241-12		
1993	64448	020434	89	CHINOOK	KITIMAT RIVER	KITIMAT LOWER	BC	CDFO	27,269	640,693	05/18/90	03/25/93	VOLUNT	HOMER	SPORT		241-12		
1993	64449	020247	89	CHINOOK	SNOOTLI CREEK	ATNARKO RIVER UPPER	BC	CDFO	23,906	360,467	06/08/90	05/07/93	VOLUNT	HOMER	SPORT		244-70	737	
1993	64460	025962	88	CHINOOK	OWEEKENO CDP	RIVERS INLET SEAPENS	BC	CDFO	26,389	126,659	07/07/89	05/22/93	VOLUNT	HOMER	SPORT		244-70	1041	
1993	64454	311854	89	CHINOOK	ELMENDORF	CROOKED CR 244-30	AK	ADFG	26,475	234,019	06/06/90	05/26/93	VOLUNT	HOMER	SPORT		244-20		
1993	64457	020658	89	CHINOOK	CONUMA RIVER	CONUMA ESTUARY	BC	CDFO	26,517	160,602	05/30/90	07/05/93	VOLUNT	HOMER	SPORT		241	737	
1993	98373	020645	89	CHINOOK	ROBERTSON CREEK	ROBERTSON CREEK	BC	CDFO	25,653	708,931	06/05/90	07/14/93	VOLUNT	KODIAK	SPORT		259-21		
1993	98374	020656	89	CHINOOK	CONUMA RIVER	CONUMA RIVER	BC	CDFO	26,285	252,708	05/30/90	08/14/93	VOLUNT	KODIAK	SPORT		259-21		
1993	51840	180827	91	CHINOOK	SNOOTLI CREEK	ATNARKO RIVER LOWER	BC	CDFO	57,377	479,003	06/10/92	08/10/93	SELECT	SEWARD	COMMERCIAL	SEINE	226-60		
1993	51844	180438	91	CHINOOK	OWEEKENO CDP	RIVERS INLET SEAPENS	BC	CDFO	19,320	48,236	05/31/92	08/10/93	RANDOM	SEWARD	COMMERCIAL	SEINE	PWS	497	
1993	51845	630759	89	CHINOOK	SIMILKAMEEN POND	SIMILKAMEEN RIVER	WA	WDF	116,821	203,795	05/21/91	08/10/93	RANDOM	SEWARD	COMMERCIAL	SEINE	PWS	402	
1993	52251	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/10/93	RANDOM	VALDEZ	COST RECOVERY		223-40	845	42.57
1993	52351	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/10/93	RANDOM	VALDEZ	COST RECOVERY		223-40	850	
1993	52252	021533	90	CHINOOK	KITIMAT RIVER	KITIMAT UPPER	BC	CDFO	53,806	649,206	05/13/91	06/10/93	RANDOM	VALDEZ	COMMERCIAL	GILLNET	223-40	638	17.13
1993	52353	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/11/93	RANDOM	VALDEZ	COMMERCIAL	GILLNET	223-40	850	5.45
1993	52354	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/12/93	RANDOM	VALDEZ	COMMERCIAL	GILLNET	223-40	869	5.45
1993	52155	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/12/93	RANDOM	VALDEZ	COMMERCIAL	GILLNET	223-40	761	5.45
1993	52156	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/12/93	RANDOM	VALDEZ	COMMERCIAL	GILLNET	223-40	735	5.45
1993	52151	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/11/93	RANDOM	VALDEZ	COMMERCIAL	GILLNET	223-40	750	5.45
1993	52152	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/11/93	RANDOM	VALDEZ	COMMERCIAL	GILLNET	223-40	770	5.45
1993	52153	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/11/93	RANDOM	VALDEZ	COMMERCIAL	GILLNET	223-40	780	5.45
1993	52154	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/11/93	RANDOM	VALDEZ	COMMERCIAL	GILLNET	223-40	710	5.45
1993	52163	311734	89	CHINOOK	FORT RICHARDSON	DECEPTION CR 247-41	AK	ADFG	40,531	219,362	05/23/90	06/12/93	RANDOM	VALDEZ	COMMERCIAL	GILLNET	PWS	835	
1993	52202	180201	90	CHINOOK	GOLD RIVER PIP	GOLD RIVER	BC	CDFO	29,209	29,654	05/29/91	06/12/93	RANDOM	VALDEZ	COMMERCIAL	GILLNET	PWS	606	
1993	52157	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/12/93	RANDOM	VALDEZ	COMMERCIAL	GILLNET	PWS	792	
1993	52159	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/12/93	RANDOM	VALDEZ	COMMERCIAL	GILLNET	PWS	840	
1993	52355	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/12/93	RANDOM	VALDEZ	COMMERCIAL	GILLNET	PWS	771	
1993	52263	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/15/93	RANDOM	VALDEZ	COMMERCIAL	GILLNET	223-40	885	3.69
1993	52166	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/14/93	RANDOM	VALDEZ	COMMERCIAL	GILLNET	223-40	810	3.69
1993	52167	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/14/93	RANDOM	VALDEZ	COMMERCIAL	GILLNET	223-40	775	3.69
1993	52168	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/14/93	RANDOM	VALDEZ	COMMERCIAL	GILLNET	223-40	763	3.69
1993	52170	221012	90	CHINOOK	LONESOME CREEK HATCH	SOLEDUCK RIVER	WA	QUIL	192,168	199,344	09/04/91	06/18/93	RANDOM	VALDEZ	COMMERCIAL	GILLNET	223-40	589	1.00
1993	52169	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/18/93	RANDOM	VALDEZ	COMMERCIAL	GILLNET	223-40	853	3.69
1993	52357	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/18/93	RANDOM	VALDEZ	COMMERCIAL	GILLNET	225-20	813	14.38
1993	52171	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/18/93	RANDOM	VALDEZ	COMMERCIAL	GILLNET	PWS	730	
1993	52172	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/18/93	RANDOM	VALDEZ	COMMERCIAL	GILLNET	PWS	724	
1993	52453	311947	89	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	30,772	241,348	05/28/91	06/22/93	RANDOM	VALDEZ	COMMERCIAL	GILLNET	223-40	660	9.60
1993	52265	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/22/93	RANDOM	VALDEZ	COMMERCIAL	GILLNET	223-40	760	4.69
1993	52369	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/22/93	RANDOM	VALDEZ	COMMERCIAL	GILLNET	PWS	845	
1993	52370	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/22/93	RANDOM	VALDEZ	COMMERCIAL	GILLNET	PWS	825	
1993	52173	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/22/93	RANDOM	VALDEZ	COMMERCIAL	GILLNET	223-40	814	
1993	52458	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/25/93	RANDOM	VALDEZ	COMMERCIAL	GILLNET	223-40	870	
1993	52281	020345	90	CHINOOK	OWEEKENO CDP	WANNOCK RIVER	BC	CDFO	27,467	57,525	04/26/91	06/26/93	RANDOM	VALDEZ	COST RECOVERY		221-61	528	1.16
1993	52186	180227	90	CHINOOK	ROBERTSON CREEK	ROBERTSON CREEK	BC	CDFO	26,415	26,415	05/23/91	06/26/93	RANDOM	VALDEZ	COST RECOVERY		221-61	615	0.56

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Year	Head Number	Tag Code	BR YR	Recovered Species	Hatchery or Wild Stock	Release Site	Release State	Agency	Number Marked	Number Released	Date of Release	Recovery Date	Sample Type	Port	Sample Source	Gear	District Subdistrict	Length	Pref Sree Contrib.	
1993	52478	021546	90	CHINOOK	CONUMA RIVER	CONUMA ESTUARY	BC	CDFO	52,098	585,398	05/27/91	06/26/93	RANDOM	VALDEZ	COMMERCIAL	GILLNET	212	522	111.11	
1993	52435	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/29/93	RANDOM	VALDEZ	COMMERCIAL	PWS	872			
1993	52436	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/29/93	RANDOM	VALDEZ	COMMERCIAL	PWS	871			
1993	52437	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/29/93	RANDOM	VALDEZ	COMMERCIAL	PWS	889			
1993	52438	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/29/93	RANDOM	VALDEZ	COMMERCIAL	PWS	829			
1993	52307	042812	89	CHINOOK	SHELDON JACKSON	SITKA SOUND 113-41	AK	SJ	10,517	25,249	05/03/91	06/29/93	RANDOM	VALDEZ	COST RECOVERY		221-61	623		
1993	52440	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/29/93	RANDOM	VALDEZ	COMMERCIAL	GILLNET	PWS	825		
1993	52677	043140	87	CHINOOK	SNETTISHAM	SPEEL ARM 111-33	AK	ADFG	10,195	128,000	05/31/89	07/02/93	RANDOM	VALDEZ	COMMERCIAL	GILLNET	PWS	671		
1993	52624	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	07/02/93	RANDOM	VALDEZ	COMMERCIAL		223-40	854		
1993	52588	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	07/07/93	RANDOM	VALDEZ	COST RECOVERY		223-40	850		
1993	52591	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	07/09/93	RANDOM	VALDEZ	COMMERCIAL	GILLNET	223-40	934	5.48	
1993	53427	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	07/17/93	RANDOM	VALDEZ	COMMERCIAL		223-40	876		
1993	53937	020147	89	CHINOOK	ROBERTSON CREEK	POET'S NOOK	BC	CDFO	21,804	21,804	05/19/90	08/06/93	RANDOM	VALDEZ	COMMERCIAL	SEINE	226-60	756	2.00	
1993	75376	180225	90	CHINOOK	ROBERTSON CREEK	CHINA CREEK	BC	CDFO	25,901	26,163	05/22/91	08/10/93	RANDOM	VALDEZ	COMMERCIAL	GILLNET	223-40	564	0.17	
1993	53948	180343	91	CHINOOK	SHUSWAP RIVER	SHUSWAP R. MIDDLE	BC	CDFO	49,844	410,875	05/13/92	08/10/93	RANDOM	VALDEZ	COMMERCIAL		223-40	366		
1993	53949	076002	91	CHINOOK	COLE RIVERS HATCHERY	NOBLE CR - COOS R	OR	ODFW	25,335	51,946	10/02/92	08/10/93	RANDOM	VALDEZ	COMMERCIAL		223-40	373		
1993	53745	020128	89	CHINOOK	CLAYOQUOT CDP	KENNEDY RIVER LOWER	BC	CDFO	26,873	51,836	06/07/90	06/04/93	RANDOM	WHITTIER	COST RECOVERY		223-40	635	43.29	
1993	53746	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/04/93	RANDOM	WHITTIER	COST RECOVERY		223-40	835	86.10	
1993	53747	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/04/93	RANDOM	WHITTIER	COST RECOVERY		223-40	825	86.10	
1993	50212	312045	90	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	6,490	274,754	06/08/92	06/06/93	RANDOM	WHITTIER	COST RECOVERY		223-40	400	469.95	
1993	52001	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/10/93	RANDOM	WHITTIER	COST RECOVERY		223-40	780	42.57	
1993	52002	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/10/93	RANDOM	WHITTIER	COST RECOVERY		223-40	860	42.57	
1993	52003	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/10/93	RANDOM	WHITTIER	COST RECOVERY		223-40	770	42.57	
1993	52004	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/10/93	RANDOM	WHITTIER	COST RECOVERY		223-40	790	42.57	
1993	52005	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/10/93	RANDOM	WHITTIER	COST RECOVERY		223-40	820	42.57	
1993	52006	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/10/93	RANDOM	WHITTIER	COST RECOVERY		223-40	850	42.57	
1993	52017	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/14/93	RANDOM	WHITTIER	COMMERCIAL	GILLNET	223-40	810	3.69	
1993	52018	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/14/93	RANDOM	WHITTIER	COMMERCIAL	GILLNET	223-40	790	3.69	
1993	52019	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/14/93	RANDOM	WHITTIER	COMMERCIAL	GILLNET	223-40	880	3.69	
1993	52013	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/12/93	RANDOM	WHITTIER	COMMERCIAL	GILLNET	223-40	855	5.45	
1993	52009	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/10/93	RANDOM	WHITTIER	COMMERCIAL	GILLNET	223-40	790	5.45	
1993	52010	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/10/93	RANDOM	WHITTIER	COMMERCIAL	GILLNET	223-40	820	5.45	
1993	52023	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/14/93	RANDOM	WHITTIER	COMMERCIAL	GILLNET	223-40	890	3.69	
1993	52034	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/18/93	RANDOM	WHITTIER	COMMERCIAL	GILLNET	PWS	730		
1993	52035	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/18/93	RANDOM	WHITTIER	COMMERCIAL	GILLNET	PWS	750		
1993	52025	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/16/93	RANDOM	WHITTIER	COST RECOVERY		223-40	810	7.65	
1993	52026	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/16/93	RANDOM	WHITTIER	COST RECOVERY		223-40	940	7.65	
1993	52027	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/16/93	RANDOM	WHITTIER	COST RECOVERY		223-40	740	7.65	
1993	52028	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/16/93	RANDOM	WHITTIER	COST RECOVERY		223-40	800	7.65	
1993	52029	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/16/93	RANDOM	WHITTIER	COST RECOVERY		223-40	890	7.65	
1993	52030	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/16/93	RANDOM	WHITTIER	COST RECOVERY		223-40	865	7.65	
1993	52031	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/16/93	RANDOM	WHITTIER	COST RECOVERY		223-40	825	7.65	
1993	52055	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/22/93	RANDOM	WHITTIER	COMMERCIAL	GILLNET	PWS	820		
1993	21100	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/29/93	RANDOM	WHITTIER	COMMERCIAL	GILLNET	PWS	835		
1993	21101	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/29/93	RANDOM	WHITTIER	COMMERCIAL	GILLNET	PWS	850		
1993	52098	024921	87	CHINOOK	CLAYOQUOT CDP	KENNEDY RIVER LOWER	BC	CDFO	21,332	21,587	06/13/88	06/25/93	RANDOM	WHITTIER	COMMERCIAL		225	960		
1993	52099	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/25/93	RANDOM	WHITTIER	COMMERCIAL		225	865		
1993	52100	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/25/93	RANDOM	WHITTIER	COMMERCIAL		225	815		
1993	52074	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/25/93	RANDOM	WHITTIER	COMMERCIAL	GILLNET	223-40	760	4.69	
1993	52148	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/29/93	RANDOM	WHITTIER	COMMERCIAL	GILLNET	223-40	800	5.53	

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Year	Head Number	Tag Code	BR YR	Recovered Species	Hatchery or Wild Stock	Release Site	Release State	Agency	Number Marked	Number Released	Date of Release	Recovery Date	Sample Type	Port	Sample Source	Gear	District Subdistrict	Length	Pref Srcr Contrib.
1993	52149	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/29/93	RANDOM	WHITTIER	COMMERCIAL	GILLNET	223-40	835	5.53
1993	21135	043549	89	CHINOOK	HIDDEN FALLS	KASNYKU BAY 112-11	AK	NSRA	3,814	4,119	06/04/91	07/02/93	RANDOM	WHITTIER	COMMERCIAL	GILLNET	223-40	685	1.56
1993	52042	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/22/93	RANDOM	WHITTIER	COST RECOVERY		223-40	790	13.06
1993	52043	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/22/93	RANDOM	WHITTIER	COST RECOVERY		223-40	810	13.06
1993	52044	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/22/93	RANDOM	WHITTIER	COST RECOVERY		223-40	800	13.06
1993	52045	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/22/93	RANDOM	WHITTIER	COST RECOVERY		223-40	780	13.06
1993	52046	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/22/93	RANDOM	WHITTIER	COST RECOVERY		223-40	850	13.06
1993	52060	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/23/93	RANDOM	WHITTIER	COST RECOVERY		223-40	865	13.06
1993	52101	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/26/93	RANDOM	WHITTIER	COST RECOVERY		223-40	840	13.06
1993	52102	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/26/93	RANDOM	WHITTIER	COST RECOVERY		223-40	835	13.06
1993	52103	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/26/93	RANDOM	WHITTIER	COST RECOVERY		223-40	790	13.06
1993	52104	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/26/93	RANDOM	WHITTIER	COST RECOVERY		223-40	830	13.06
1993	52105	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/26/93	RANDOM	WHITTIER	COST RECOVERY		223-40	840	13.06
1993	21352	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	07/07/93	RANDOM	WHITTIER	COST RECOVERY		223-40	830	
1993	21481	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	07/13/93	RANDOM	WHITTIER	COMMERCIAL	GILLNET	223-40	890	5.31
1993	21482	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	07/13/93	RANDOM	WHITTIER	COMMERCIAL	GILLNET	223-40	920	5.31
1993	21542	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	07/14/93	RANDOM	WHITTIER	COST RECOVERY		223-40	770	12.78
1993	54017	021458	90	CHINOOK	OWEKENO CDP	RIVERS INLET SEAPENS	BC	CDFO	26,777	149,070	07/01/91	07/20/93	RANDOM	WHITTIER	COMMERCIAL	GILLNET	229-10	630	0.93
1993	54171	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	07/29/93	RANDOM	WHITTIER	COST RECOVERY		223-40	845	
1993	54387	180837	91	CHINOOK	SNOOTLI CREEK	SALLOOMT RIVER	BC	CDFO	59,876	70,177	07/12/92	08/06/93	RANDOM	WHITTIER	COMMERCIAL		223-40	387	
1993	54388	020310	91	CHINOOK	KITIMAT RIVER	KITIMAT LOWER	BC	CDFO	110,660	1,337,756	05/07/92	08/06/93	RANDOM	WHITTIER	COMMERCIAL		223-40	420	
1993	54389	043644	90	CHINOOK	MEDVEJE	BEAR COVE 113-41	AK	NSRA	9,885	137,415	05/15/92	08/06/93	RANDOM	WHITTIER	COMMERCIAL		223-40	449	
1993	54390	180328	90	CHINOOK	NITINAT RIVER	NITINAT RIVER	BC	CDFO	54,724	2,137,027	05/27/91	08/06/93	RANDOM	WHITTIER	COMMERCIAL		223-40	562	
1993	54526	043627	89	CHINOOK	MEDVEJE	BEAR COVE 113-41	AK	NSRA	9,528	36,219	05/23/91	08/10/93	RANDOM	WHITTIER	COMMERCIAL	GILLNET	223-40	743	0.64
1993	54561	021540	90	CHINOOK	TENDERFOOT CREEK	TENDERFOOT CREEK	BC	CDFO	51,520	102,527	06/14/91	08/10/93	RANDOM	WHITTIER	COMMERCIAL	GILLNET	223-40	640	0.33
1993	54562	020734	89	CHINOOK	BIRKENHEAD RIVER	BIRKENHEAD RIVER	BC	CDFO	24,977	33,285	07/04/90	08/10/93	RANDOM	WHITTIER	COMMERCIAL	GILLNET	223-40	630	0.22
1993	82398	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/12/93	RANDOM	ANCHORAGE	COMMERCIAL	GILLNET	223-40	807	5.45
1993	82399	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/13/93	RANDOM	ANCHORAGE	COST RECOVERY		223-40	7.65	
1993	82400	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/13/93	RANDOM	ANCHORAGE	COST RECOVERY		223-40	7.65	
1993	82637	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/13/93	RANDOM	ANCHORAGE	COST RECOVERY		223-40	7.65	
1993	82638	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/13/93	RANDOM	ANCHORAGE	COST RECOVERY		223-40	7.65	
1993	82639	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/13/93	RANDOM	ANCHORAGE	COST RECOVERY		223-40	7.65	
1993	82640	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/13/93	RANDOM	ANCHORAGE	COST RECOVERY		223-40	7.65	
1993	98490	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/18/93	RANDOM	ANCHORAGE	COST RECOVERY		223-40	890	7.65
1993	98491	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/18/93	RANDOM	ANCHORAGE	COST RECOVERY		223-40	808	7.65
1993	98492	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/18/93	RANDOM	ANCHORAGE	COST RECOVERY		223-40	823	7.65
1993	98493	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/18/93	RANDOM	ANCHORAGE	COST RECOVERY		223-40	879	7.65
1993	98494	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/18/93	RANDOM	ANCHORAGE	COST RECOVERY		223-40	820	7.65
1993	98495	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/18/93	RANDOM	ANCHORAGE	COST RECOVERY		223-40	783	7.65
1993	98496	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/18/93	RANDOM	ANCHORAGE	COST RECOVERY		223-40	784	7.65
1993	98497	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/18/93	RANDOM	ANCHORAGE	COST RECOVERY		223-40	786	7.65
1993	98481	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/16/93	RANDOM	ANCHORAGE	COST RECOVERY		223-40	845	7.65
1993	98482	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/16/93	RANDOM	ANCHORAGE	COST RECOVERY		223-40	844	7.65
1993	98483	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/16/93	RANDOM	ANCHORAGE	COST RECOVERY		223-40	828	7.65
1993	98484	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/16/93	RANDOM	ANCHORAGE	COST RECOVERY		223-40	756	7.65
1993	98485	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/16/93	RANDOM	ANCHORAGE	COST RECOVERY		223-40	818	7.65
1993	98487	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/16/93	RANDOM	ANCHORAGE	COST RECOVERY		223-40	838	7.65
1993	98488	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/16/93	RANDOM	ANCHORAGE	COST RECOVERY		223-40	853	7.65
1993	82644	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/21/93	RANDOM	ANCHORAGE	COST RECOVERY		223-40	733	13.06

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Year	Head Number	Tag Code	BR YR	Recovered Species	Hatchery or Wild Stock	Release Site	Release State	Agency	Number Marked	Number Released	Date of Release	Recovery Date	Sample Type	Port	Sample Source	Gear	District Subdistrict	Length	Pref Sree Contrib.	
1993	82645	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/21/93	RANDOM	ANCHORAGE	COST RECOVERY		223-40	787	13.06	
1993	98293	311854	89	CHINOOK	ELMENDORF	CROOKED CR 244-30	AK	ADFG	26,475	234,019	06/06/90	06/28/93	RANDOM	ANCHORAGE	COMMERCIAL	GILLNET	223-40	792	12.75	
1993	82340	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/22/93	RANDOM	ANCHORAGE	COST RECOVERY		223-40	810	13.06	
1993	82341	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/22/93	RANDOM	ANCHORAGE	COST RECOVERY		223-40	816	13.06	
1993	82342	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/22/93	RANDOM	ANCHORAGE	COST RECOVERY		223-40	846	13.06	
1993	82344	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/23/93	RANDOM	ANCHORAGE	COST RECOVERY		223-40	773	13.06	
1993	55045	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	07/12/93	RANDOM	ANCHORAGE	COST RECOVERY		223-40	785	12.78	
1993	55317	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	07/24/93	RANDOM	ANCHORAGE	COST RECOVERY			PWS	874	
1993	55463	040702	89	CHINOOK	MEDVEJIE	BEAR COVE 113-41	AK	NSRA	10,752	37,290	05/23/91	08/17/93	RANDOM	ANCHORAGE	COMMERCIAL	GILLNET	223-40	590	2.31	
1993	98332	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	07/09/93	RANDOM	ANCHORAGE	COMMERCIAL	GILLNET	223-40	785	5.48	
1993	50801	311947	89	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	30,772	241,348	05/28/91	06/01/93	VOLUNT	WALLY NOER	SPORT		223-40			
1993	50802	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/10/93	VOLUNT	WALLY NOER	SPORT		223-40			
1993	50803	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/11/93	VOLUNT	WALLY NOER	SPORT		223-40			
1993	50804	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	06/11/93	VOLUNT	WALLY NOER	SPORT		223-40			
1993	50808	311905	88	CHINOOK	WALLY NOERENBERG	LAKE BAY 223-40	AK	PWSA	31,717	121,657	06/08/90	07/06/93	VOLUNT	WALLY NOER	SPORT		223-40			

Appendix G. Subset of the Alaska Department of Fish and Game Statewide Coded Wire Tag database used for analyses in this report. Includes all chinook salmon with coded wire tags recovered by NMFS observers from federally managed marine fisheries of southcentral Alaska, 1980-1993.

Tag Code	Replicate	Brood	Release Site	State	Agency	Total		Release Date(mm/yy)	Recovery Date(yymmdd)	Latitude		Longitude		Length(mm)	Weight(g)	Gonad		Sex	Gear	Species	
						# Tagged	# Released			Deg.	Min.	Deg.	Min.			Weight(g)	Sex				
CeDy		79	COL. R, MCNARY	OR	NMFS	45582	45,582	0780	840205	57	7	N	155	25	W	630	3560		F	TRAWL	CHINOOK
020128		89	KENNEDY R, LWR	BC	CDFO	26,873	51,836	0690	930209	57	47	N	154	7	W	580	2400		M	TRAWL	CHINOOK
020230		89	CHINA CR	BC	CDFO	17,104	17,104	0590	920204	57	30	N	153		W	470	1140		F	TRAWL	CHINOOK
020250		89	ATNARKO R, LWR	BC	CDFO	24,780	324,250	0690	930623	57	16	N	152	32	W	870	9300		F	TRAWL	CHINOOK
020261	R1	89	QUESNEL R	BC	CDFO	75,744	75,898	1090	930413	56	9	N	153	59	W	620	2800		F	TRAWL	CHINOOK
020434		89	KITIMAT R, LWR	BC	CDFO	27,269	640,693	0590	930611	57	24	N	152	34	W	810	6100		F	TRAWL	CHINOOK
020438		89	HIRSCH CR	BC	CDFO	33,908	66,742	0590	930217	57	50	N	154	2	W	650	4100		F	TRAWL	CHINOOK
020442		89	NAHMINT ESTUARY	BC	CDFO	32,634	56,862	0590	921002	56	48	N	152	22	W	650	3000	10	M	TRAWL	CHINOOK
020462		89	MARBLE R	BC	CDFO	27,509	32,450	0690	930319	58	21	N	148	32	W	710	4200		M	TRAWL	CHINOOK
020518		89	YAKOUN R	BC	CDFO	25,983	26,245	0690	920709	56	53	N	155	5	W	520	1850	2	F	TRAWL	CHINOOK
020630		89	NITINAT R	BC	CDFO	27,145	571,630	0590	920312	56	35	N	152	18	W	500	1700		F	TRAWL	CHINOOK
020636		89	NITINAT R	BC	CDFO	28,458	1,252,226	0690	930607	57	57	N	151	56	W	770	6000		F	TRAWL	CHINOOK
020657		89	CONUMA ESTUARY	BC	CDFO	27,057	163,870	0590	921004	57	2	N	152	31	W	690	4600		F	TRAWL	CHINOOK
020657		89	CONUMA R - ESTUARY	BC	CDFO	27,057	163,870	0590	930714	57	52	N	152	21	W	770	5860	200	F	TRAWL	CHINOOK
020658	89	CONUMA ESTUARY	BC	CDFO	26,517	160,602	0590	920427	57	45	N	150	10	W	530			F	TRAWL	CHINOOK	
020658	89	CONUMA ESTUARY	BC	CDFO	26,517	160,602	0590	920613	57	15	N	152	30	W	652	4200		M	TRAWL	CHINOOK	
020742	89	COLDWATER R	BC	CDFO	24,961	36,167	0491	921002	57	6	N	152	30	W	590	3420		M	TRAWL	CHINOOK	
020754	90	WEST ROAD R	BC	CDFO	25,068	36,832	0491	930220	58	1	N	152	30	W	570	2200		F	TRAWL	CHINOOK	
020756	90	WEST ROAD R	BC	CDFO	25,153	37,123	0491	930624	57	55	N	151	55	W	543	1840		F	TRAWL	CHINOOK	
020818	89	NAHMINT R	BC	CDFO	40,743	57,817	0590	920129	58	10	N	153	24	W	500	1850		F	TRAWL	CHINOOK	
020818	89	NAHMINT R	BC	CDFO	40,743	57,817	0590	930209	57	46	N	154	9	W	720	5000		F	TRAWL	CHINOOK	
021147	90	CLEARWATER R, UP B	BC	CDFO	24,416	33,070	0691	930708	57	59	N	151	59	W	608	2700		M	TRAWL	CHINOOK	
021316	90	CONUMA R	BC	CDFO	26,555	27,098	0591	930218	58	7	N	153	22	W	450	1150		F	TRAWL	CHINOOK	
021317	90	CONUMA R	BC	CDFO	28,611	29,196	0591	930216	57	48	N	154	7	W	460	1300		F	TRAWL	CHINOOK	
021317	90	CONUMA R	BC	CDFO	28,611	29,196	0591	930218	58	7	N	153	22	W	520	1850		F	TRAWL	CHINOOK	
021319	90	CONUMA R	BC	CDFO	25,551	675,221	0591	930211	57	50	N	154	1	W	500	1600		M	TRAWL	CHINOOK	
021457	90	NITINAT R	BC	CDFO	27,738	592,967	0591	930216	57	59	N	153	38	W	510	1800		M	TRAWL	CHINOOK	
021516	90	DEEP COVE	BC	CDFO	26,522	60,074	0591	930218	58	12	N	153	17	W	540	2100		F	TRAWL	CHINOOK	
021518	90	HIRSCH CR	BC	CDFO	26,721	45,060	0491	930213	57	49	N	153	39	W	590	2200		F	TRAWL	CHINOOK	
021520	90	HIRSCH CR	BC	CDFO	27,005	45,352	0591	930217	57	43	N	154	10	W	570	2500		M	TRAWL	CHINOOK	
021522	90	ATNARKO R, LWR	BC	CDFO	25,368	405,317	0691	930217	57	7	N	153	32	W	500	1600		F	TRAWL	CHINOOK	
021535	90	EAGLE R	BC	CDFO	54,447	160,385	0591	930607	57	55	N	152	0	W	644	3200		F	TRAWL	CHINOOK	
021545	90	CONUMA ESTUARY	BC	CDFO	51,234	469,192	0591	930215	57	57	N	153	46	W	500	1800		M	TRAWL	CHINOOK	
021545	90	CONUMA ESTUARY	BC	CDFO	51,234	469,192	0591	930221	57	55	N	153	49	W	490	1500		F	TRAWL	CHINOOK	
021545	90	CONUMA ESTUARY	BC	CDFO	51,234	469,192	0591	930221	57	54	N	153	49	W	480	1450		F	TRAWL	CHINOOK	
021545	90	CONUMA ESTUARY	BC	CDFO	51,234	469,192	0591	930224	58	0	N	153		W	490	1300		F	TRAWL	CHINOOK	
021546	90	CONUMA ESTUARY	BC	CDFO	52,098	585,398	0591	921004	57	44	N	154	5	W	490	1850		F	TRAWL	CHINOOK	
021546	90	CONUMA ESTUARY	BC	CDFO	52,098	585,398	0591	930218	57	53	N	153	55	W	480	1400		F	TRAWL	CHINOOK	
021546	90	CONUMA ESTUARY	BC	CDFO	52,098	585,398	0591	930221	57	54	N	153	49	W					TRAWL	CHINOOK	
021546	90	CONUMA ESTUARY	BC	CDFO	52,098	585,398	0591	930222	57	50	N	154	0	W	530	2100		M	TRAWL	CHINOOK	
021549	90	ROBERTSON CR	BC	CDFO	33,896	863,664	0691	930218	57	53	N	153	55	W	440	1000		F	TRAWL	CHINOOK	
021550	90	ROBERTSON CR	BC	CDFO	33,676	1,953,048	0691	930219	57	44	N	154	12	W	520	1900		F	TRAWL	CHINOOK	
021550	90	ROBERTSON CR	BC	CDFO	33,676	1,953,048	0691	930224	58	13	N	153	21	W	550	2000			TRAWL	CHINOOK	
021551	90	ROBERTSON CR	BC	CDFO	33,245	1,602,853	0691	930218	58	13	N	153	15	W	510	1550		F	TRAWL	CHINOOK	
021552	90	ROBERTSON CR	BC	CDFO	32,863	732,870	0691	930209	58	8	N	153	24	W	540	2000		M	TRAWL	CHINOOK	
021552	90	ROBERTSON CR	BC	CDFO	32,863	732,870	0691	930221	58	14	N	153	14	W	470	1700			TRAWL	CHINOOK	
021553	90	ROBERTSON CR	BC	CDFO	33,298	1,104,131	0691	930219	57	44	N	154	12	W	530	2000		F	TRAWL	CHINOOK	
021557	90	BONAPARTE R	BC	CDFO	75,359	90,900	0491	921005	57	2	N	152	31	W	520			F	TRAWL	CHINOOK	
021558	90	RAFT R	BC	CDFO	74,440	106,390	0591	930213	57	49	N	153	39	W	564	2600		F	TRAWL	CHINOOK	
021558	90	RAFT R	BC	CDFO	74,440	106,390	0591	930414	56	10	N	153	59	W	540	2050		F	TRAWL	CHINOOK	
021560	90	KITIMAT R, LWR	BC	CDFO	85,955	1,549,722	0591	930215	57	58	N	153	38	W	570	2500		M	TRAWL	CHINOOK	
021560	90	KITIMAT R, LWR	BC	CDFO	85,955	1,549,722	0591	930608	58	0	N	154	25	W	620	2800		M	TRAWL	CHINOOK	
021661	80	ROBERTSON CR	BC	CDFO	151,278	9,106,259	0581	840224	57	21	N	155	36	W	620	3100		1	M	TRAWL	CHINOOK
021661	80	ROBERTSON CR	BC	CDFO	151,278	9,106,259	0581	840303	57	44	N	154	20	W	630	3400		M	TRAWL	CHINOOK	
021717	84	STUART R	BC	CDFO	102,737	164,908	0585	861123	57	0	N	152	32	W	550	1900		F	TRAWL	CHINOOK	
021835	80	BIRKENHEAD R	BC	CDFO	65,557	72,413	0481	840320	57	57	N	154	28	W	670	3300		1	M	TRAWL	CHINOOK
021863	82	SLIM CR	BC	CDFO	102,087	268,893	0483	841002	55	25	N	158	39	W	430			F	TRAWL	CHINOOK	
021937	80	ROBERTSON CR	BC	CDFO	19,403	19,403	0581	840221	57	53	N	154	21	W	730	4900		5	F	TRAWL	CHINOOK
021951	80	KITSUMKALUM R	BC	CDFO	44,273	63,115	0681	841127	56	55	N	152	32	W	840	8700		50	F	TRAWL	CHINOOK
022141	81	KING CR, LOWER	BC	CDFO	24,552	27,951	0782	841016	56	53	N	152	25	W	560	2150		1	M	TRAWL	CHINOOK
022154	81	ATNARKO R, LWR	BC	CDFO	34,703	35,666	0682	840302	57	42	N	154	30	W	530	2300		F	TRAWL	CHINOOK	

-continued

Appendix G. Page 2 of 7.

Tag Code	Replicate	Brood	Release Site	State	Agency	Total		Release Date(mmyy)	Recovery Date(yymmdd)	Latitude		Longitude		Length(mm)	Weight(g)	Gonad		Sex	Gear	Species	
						# Tagged	# Released			Deg.	Min.	Deg.	Min.			Weight(g)	Sex				
022154		81	ATNARKO R, LWR	BC	CDFO	34,703	35,666	0682	840725	57	20	N	151	19	W	640	4200	9	F	TRAWL	CHINOOK
022154		81	ATNARKO R, LWR	BC	CDFO	34,703	35,666	0682	841024	58	2	N	153	34	W	770	7500	50	F	TRAWL	CHINOOK
022159		81	CHILLIWACK R	BC	CDFO	48,188	57,844	0582	840224	57	11	N	155	46	W	660	3800	1	F	TRAWL	CHINOOK
022159		81	CHILLIWACK R	BC	CDFO	48,188	57,844	0582	840316	56	41	N	155	41	W	600	2200	1	M	TRAWL	CHINOOK
022201		82	BOWRON R	BC	CDFO	74,916	76,679	0483	841021	56	47	N	152	32	W	470	1810	1	M	TRAWL	CHINOOK
022203		81	CONUMA R	BC	CDFO	64,484	152,000	0682	840225	57	36	N	155	21	W	500	1500	1	F	TRAWL	CHINOOK
022203		81	CONUMA R	BC	CDFO	64,484	152,000	0682	841125	55	31	N	158	48	W	580	2640	8	F	TRAWL	CHINOOK
022215		80	COPPER R	BC	CDFO	18,701	18,998	0881	850202	56	21	N	156	15	W	670	3970	1	F	TRAWL	CHINOOK
022226		81	SAN JUAN R	BC	CDFO	97,454	187,527	0682	841114	56	48	N	152	23	W	690	5200	1	M	TRAWL	CHINOOK
022238		81	KAYON CR	BC	CDFO	15,555	16,675	0682	841104	56	37	N	152	30	W	630		4	M	TRAWL	CHINOOK
022260		82	QUESNEL R	BC	CDFO	66,972	68,339	0483	841020	56	50	N	152	28	W	530	2050	1	M	TRAWL	CHINOOK
022260		82	QUESNEL R	BC	CDFO	66,972	68,339	0483	841122	56	44	N	152	33	W	480	1480	1	M	TRAWL	CHINOOK
022305		81	SOOKE R	BC	CDFO	32,901	38,038	0682	840226	57	36	N	155	13	W	490	1420	1	F	TRAWL	CHINOOK
022305		81	SOOKE R	BC	CDFO	32,901	38,038	0682	840628	56	6	N	155	52	W	490	1700	6	F	TRAWL	CHINOOK
022305		81	SOOKE R	BC	CDFO	32,901	38,038	0682	841016	56	53	N	152	25	W	670	4150	50	F	TRAWL	CHINOOK
022313		81	KITSUMKALUM R	BC	CDFO	29,459	70,400	0582	841020	56	50	N	152	28	W	750	4850	1	F	TRAWL	CHINOOK
022317		81	SLIM CR	BC	CDFO	26,287	31,341	0782	841023	56	58	N	152	31	W	660	3150	20	M	TRAWL	CHINOOK
022321		81	DATE CR - KISPIOX R	BC	CDFO	30,978	31,341	0882	841023	56	58	N	152	31	W	550	2100	20	M	TRAWL	CHINOOK
022321		81	DATE CR - KISPIOX R	BC	CDFO	30,978	33,398	0882	841222	57	0	N	152	37	W	550	2200	1	M	TRAWL	CHINOOK
022338		81	COPPER R, UPPER	BC	CDFO	40,534	60,269	0882	841023	56	58	N	152	31	W	550	2000	20	M	TRAWL	CHINOOK
022354		81	ROBERTSON CR	BC	CDFO	16,374	17,511	0682	841114	56	48	N	152	23	W	660	4500	1	F	TRAWL	CHINOOK
022355		81	ROBERTSON CR	BC	CDFO	15,953	17,211	0682	840302	57	37	N	154	35	W	560	1950	1	M	TRAWL	CHINOOK
022356		81	ROBERTSON CR	BC	CDFO	18,549	19,613	0682	840325	57	57	N	154	30	W	570	1950	10	F	TRAWL	CHINOOK
022358		81	KING CR, UPPER	BC	CDFO	23,899	31,421	1082	841111	56	48	N	152	29	W	480	1550	1	F	TRAWL	CHINOOK
022360		82	STUART R	BC	CDFO	23,860	25,932	0483	841019	56	37	N	152	30	W	485	1850		F	TRAWL	CHINOOK
022360		82	STUART R	BC	CDFO	23,764	25,932	0483	841020	56	48	N	152	21	W	482	1600		F	TRAWL	CHINOOK
022360		82	STUART R	BC	CDFO	23,764	25,932	0483	841020	56	50	N	152	28	W	540	1950	1	M	TRAWL	CHINOOK
022360		82	STUART R	BC	CDFO	23,764	25,932	0483	841020	56	50	N	152	28	W	500	1600	1	M	TRAWL	CHINOOK
022360		82	STUART R	BC	CDFO	23,764	25,932	0483	841203	56	47	N	152	21	W	510	1800	17	F	TRAWL	CHINOOK
022361		82	STUART R	BC	CDFO	25,901	27,497	0483	841017	56	45	N	152	26	W	500	1550	1	M	TRAWL	CHINOOK
022361		82	STUART R	BC	CDFO	25,901	27,497	0483	841112	56	59	N	152	41	W	540	2100	1	M	TRAWL	CHINOOK
022405		81	ROBERTSON CR	BC	CDFO	51,797	6,375,242	0682	840222	57	50	N	154	43	W	520	1500	1	M	TRAWL	CHINOOK
022410		82	BOWRON R	BC	CDFO	72,346	102,892	0483	841114	56	48	N	152	23	W	470	1700	1	F	TRAWL	CHINOOK
022411		82	BOWRON R	BC	CDFO	77,057	77,835	0483	841111	56	48	N	152	29	W	510	1550	1	M	TRAWL	CHINOOK
022418		81	BONAPARTE R LOWER	BC	CDFO	15,360	16,000	0482	841020	56	48	N	152	21	W	675	4500		F	TRAWL	CHINOOK
022424		82	QUESNEL R	BC	CDFO	25,786	26,312	0383	841124	56	45	N	152	20	W	490	1750	20	F	TRAWL	CHINOOK
022433		82	QUESNEL R	BC	CDFO	23,347	24,831	0583	841126	56	41	N	152	27	W	470	1500		F	TRAWL	CHINOOK
022435		82	QUESNEL R	BC	CDFO	50,182	50,689	0483	841124	56	45	N	152	20	W	510	2190		M	TRAWL	CHINOOK
022446		83	STUART R	BC	CDFO	29,107	30,224	0484	851116	56	45	N	152	18	W	450	1380		F	TRAWL	CHINOOK
022453		82	HARRIS CR	BC	CDFO	49,868	148,677	0683	841120	56	57	N	152	29	W	470	1600	1	M	TRAWL	CHINOOK
022506		82	MARBLE R	BC	CDFO	26,482	200,000	0583	841016	56	53	N	152	25	W	510	1600	20	M	TRAWL	CHINOOK
022506		82	MARBLE R	BC	CDFO	26,482	558,711	0583	841111	56	48	N	152	29	W	510	1500	1	F	TRAWL	CHINOOK
022510		82	NITINAT R	BC	CDFO	26,348	558,711	0583	841126	56	41	N	152	27	W	510	1840		M	TRAWL	CHINOOK
022510		82	NITINAT R	BC	CDFO	26,348	558,711	0583	841128	56	55	N	152	25	W	470	1420		F	TRAWL	CHINOOK
022510		82	NITINAT R	BC	CDFO	26,254	558,848	0583	860407	54	51	N	165	29	W	675	4700	27	F	TRAWL	CHINOOK
022511		82	NITINAT R	BC	CDFO	29,376	1,303,713	0583	841125	56	47	N	152	24	W	510	1750		M	TRAWL	CHINOOK
022512		82	NITINAT R	BC	CDFO	29,376	1,303,713	0583	841015	56	45	N	152	11	W	470	1550	20	F	TRAWL	CHINOOK
022512		82	NITINAT R	BC	CDFO	29,376	1,303,713	0583	841124	56	50	N	152	33	W	520	2100	2	F	TRAWL	CHINOOK
022533		82	CEDAR CR - SKEENA	BC	CDFO	32,924	37,700	0483	841016	56	44	N	152	18	W	510	1500	1	M	TRAWL	CHINOOK
022541		82	ROBERTSON CR	BC	CDFO	87,416	8,116,680	0683	841016	56	53	N	152	25	W	540	1850	1	F	TRAWL	CHINOOK
022559		82	ATNARKO R, LWR	BC	CDFO	68,741	116,866	0683	850203	56	31	N	156	11	W	520	1920	1	M	TRAWL	CHINOOK
022601		82	CONUMA R	BC	CDFO	76,438	485,900	0983	851116	56	45	N	152	18	W	680		10	F	TRAWL	CHINOOK
022618		83	BIRKENHEAD R	BC	CDFO	43,059	153,858	0484	861107	57	42	N	151	54	W	630	2900		M	TRAWL	CHINOOK
022622		83	BOWRON R	BC	CDFO	47,282	435,242	0484	851118	56	46	N	152	22	W	480	1520		M	TRAWL	CHINOOK
022653		83	NITINAT R	BC	CDFO	27,023	657,887	0584	851029	56	48	N	152	20	W	420	1000	1	F	TRAWL	CHINOOK
022654		83	NITINAT R	BC	CDFO	26,879	640,774	0684	851116	56	49	N	152	30	W	450	1240		M	TRAWL	CHINOOK
022662		83	ROBERTSON CR	BC	CDFO	26,543	685,856	0684	851117	56	49	N	152	30	W	450	1250		F	TRAWL	CHINOOK
022750		84	MARBLE R	BC	CDFO	28,109	34,325	0685	861117	56	48	N	153	14	W	510	1450		M	TRAWL	CHINOOK
023055		84	SHUSWAP R, LOWER	BC	CDFO	48,721	51,869	0485	861116	57	4	N	152	21	W	500	1800		F	TRAWL	CHINOOK
023210		84	SUCWOA R	BC	CDFO	25,132	171,864	0585	871002	57	11	N	152	26	W	640	4400		M	TRAWL	CHINOOK
023225		84	CONUMA ESTUARY	BC	CDFO	29,145	50,000	0685	861113	55	50	N	152	44	W	640		1	M	TRAWL	CHINOOK
023308		84	SALMON R - THOMPSON	BC	CDFO	81,497	116,056	0585	861116	57	4	N	152	21	W	420	1050		M	TRAWL	CHINOOK
023639		85	NITINAT R	BC	CDFO	26,238	109,100	0586	900313	56	38	N	151	52	W	880	9850	10	M	TRAWL	CHINOOK

-continued-

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Tag Code	Replicate	Brood	Release Site	State	Agency	Total		Release Date(mmyy)	Recovery Date(yymmdd)	Latitude		Longitude		Length(mm)	Weight(g)	Gonad Weight(g)	Sex	Gear	Species			
						# Tagged	# Released			Deg.	Min.	Deg.	Min.									
023912		85	BABINE R	BC	CDFO	31,388	41,653	0487	901016	53	21	N	160	20	W	830	7470	100	M	TRAWL	CHINOOK	
024257		86	ROBERTSON CR	BC	CDFO	22,396	1,150,729	0587	900520	58	19	N	151	8	W	780	6000		F	TRAWL	CHINOOK	
024261		86	BIG QUALICUM R	BC	CDFO	26,822	664,007	0687	910328	58	1	N	148	53	W	960	11900	100	F	TRAWL	CHINOOK	
024362		86	ROBERTSON CR	BC	CDFO	26,805	1,415,747	0587	900125	57	8	N	152	29	W	640	4550	1	F	TRAWL	CHINOOK	
024515		86	ROBERTSON CR	BC	CDFO	19,981	20,141	0587	900214	57	8	N	152	36	W	690	4500		M	TRAWL	CHINOOK	
024541		86	NITINAT R	BC	CDFO	26,000	1,035,020	0587	890313	58	25	N	153	6	W	480	1320		F	TRAWL	CHINOOK	
024804		87	ROBERTSON CR SWVI	BC	CDFO	28,912	28,912	0588	901025	56	43	N	153	29	W	650	4900		M	TRAWL	CHINOOK	
024806		87	ROBERTSON CR	BC	CDFO	32,201	32,201	0588	900420	55	1	N	160	21	W	490	1400		F	TRAWL	CHINOOK	
024809		87	ROBERTSON CR SWVI	BC	CDFO	29,554	336,216	0588	900405	57	59	N	152	21	W	460	1250		M	TRAWL	CHINOOK	
024816		87	THOMPSON R, NORTH	BC	CDFO	51,189	566,300	0488	901007	56	55	N	152	35	W	750	7000		F	TRAWL	CHINOOK	
024833		87	BULKLEY R UPPER	BC	CDFO	10,624	10,624	0489	910111	57	10	N	152	24	W	550	2200		F	TRAWL	CHINOOK	
024911		88	STERLING CR	BC	CDFO	19,405	19,503	0490	921003	57	6	N	152	25	W	820	8000		F	TRAWL	CHINOOK	
024924		87	KENNEDY R, LW SWVI	BC	CDFO	21,102	21,355	0688	901025	56	43	N	153	29	W	590			F	TRAWL	CHINOOK	
024925		87	KENNEDY R, LW SWVI	BC	CDFO	21,028	21,280	0688	910306	54	42	N	160	27	W	580	3200		M	TRAWL	CHINOOK	
024940		89	GOLD R	BC	CDFO	28,636	160,644	0590	930211	57	50	N	154	1	W	640	3400		F	TRAWL	CHINOOK	
024948		87	CHINA CR SWVI	BC	CDFO	24,137	24,506	0588	901021	56	27	N	155	35	W	660	4400		F	TRAWL	CHINOOK	
025009		87	BABINE R	BC	CDFO	24,132	24,132	0489	920201	53	24	N	166	2	W	580	2450		F	TRAWL	CHINOOK	
025009		87	BABINE R	BC	CDFO	24,132	24,132	0489	920709	56	53	N	155	5	W	570	2000		M	TRAWL	CHINOOK	
025014		88	ROBERTSON CR	BC	CDFO	25,393	653,101	0589	910131	57	42	N	154	4	W	510	1550		F	TRAWL	CHINOOK	
025163		87	NICOLA R	BC	CDFO	24,107	96,474	0588	910109	57	8	N	152	28	W	700	5600		F	TRAWL	CHINOOK	
025209		87	DOVE CR UPPER	BC	CDFO	10,406	10,862	0489	901031	57	8	N	151	27	W	560	2600		M	TRAWL	CHINOOK	
025246		88	DOVE CR	BC	CDFO	10,494	11,182	0490	930708	57	59	N	151	59	W	818	6790	30	F	TRAWL	CHINOOK	
025328		87	ROBERTSON CR SWVI	BC	CDFO	25,640	509,827	0588	900313	58	3	N	153	31	W	480	1150		F	TRAWL	CHINOOK	
025328		87	ROBERTSON CR SWVI	BC	CDFO	25,640	509,827	0588	900326	58	4	N	151	52	W	480	1300		M	TRAWL	CHINOOK	
025329		87	ROBERTSON CR SWVI	BC	CDFO	25,951	522,172	0588	900313	58	3	N	153	31	W	540	1650		F	TRAWL	CHINOOK	
025462		88	CARIBOU CR UPPER	BC	CDFO	25,683	127,359	0489	920312	56	35	N	152	18	W	740	6300		F	TRAWL	CHINOOK	
025463		88	CARIBOU CR UPPER	BC	CDFO	24,567	126,442	0489	921005	56	25	N	155	34	W	810	8900		F	TRAWL	CHINOOK	
025503		87	CONUMA ESTUARY	BC	CDFO	31,410	101,610	0588	900420	55	1	N	160	21	W	490	1400		F	TRAWL	CHINOOK	
025520		88	CHILKO R	BC	CDFO	50,249	381,635	0589	920309	59	15	N	146	16	W	800	6600			TRAWL	CHINOOK	
025635	R3	88	QUESNEL R	BC	CDFO	48,676	49,931	0390	920312	56	35	N	152	18	W	590	2700		M	TRAWL	CHINOOK	
025646		88	STAMP R	BC	CDFO	9,723	9,731	0589	910203	57	52	N	153	52	W	450	1200		F	TRAWL	CHINOOK	
025658		88	POETS NOOK	BC	CDFO	9,882	9,891	0589	910129	56	58	N	152	23	W	622			M	TRAWL	CHINOOK	
025704		88	CHINA CR	BC	CDFO	9,730	9,738	0589	910130	57	58	N	153	23	W	520	2000		M	TRAWL	CHINOOK	
025741		88	CHILLIWACK R	BC	CDFO	26,958	131,144	0589	920312	56	35	N	152	18	W	690	4500		M	TRAWL	CHINOOK	
025745		88	DEEP COVE	BC	CDFO	24,847	26,660	0489	911022	57	27	N	151	29	W	550	2800		F	TRAWL	CHINOOK	
025801		88	CHEHALIS R	BC	CDFO	26,630	52,832	0589	920312	53	35	N	152	18	W	700	5600		F	TRAWL	CHINOOK	
025808		88	NITINAT R	BC	CDFO	24,080	990,028	0589	910112	54	26	N	163	49	W	530	2000		M	TRAWL	CHINOOK	
025809		88	NITINAT R	BC	CDFO	26,348	1,083,190	0589	910112	57	5	N	152	38	W	470	1500		M	TRAWL	CHINOOK	
025832		88	CONUMA R	BC	CDFO	27,020	181,864	0689	920312	56	35	N	152	18	W	720	5200		F	TRAWL	CHINOOK	
025837		88	ROBERTSON CR	BC	CDFO	25,026	1,100,530	0689	920312	56	35	N	152	18	W	690	4300		F	TRAWL	CHINOOK	
025838		88	ROBERTSON CR	BC	CDFO	24,734	1,439,341	0689	910112	57	5	N	152	38	W	520	1900		M	TRAWL	CHINOOK	
025956		88	ATNARKO R, LWR	BC	CDFO	27,143	915,395	0689	921003	56	50	N	152	27	W	960	13600		M	TRAWL	CHINOOK	
025956		90	SALMON R, PR GEORGE	BC	CDFO	25,960	26,222	0591	930321	56	0	N	154	0	W	620	3100		M	TRAWL	CHINOOK	
026015		88	KITSUMKALUM R	BC	CDFO	26,849	28,766	0489	920402	56	29	N	155	56	W	740	4700		M	TRAWL	CHINOOK	
026044		88	ROBERTSON CR	BC	CDFO	25,079	1,790,253	0689	910110	57	10	N	152	42	W	490	1600		F	TRAWL	CHINOOK	
026056		88	ROBERTSON CR	BC	CDFO	25,079	1,790,253	0689	910606	54	42	N	165	4	W	480	1500		F	TRAWL	CHINOOK	
026059		88	NAPOLEON CR	BC	CDFO	25,538	82,955	0589	920320	57	46	N	154	7	W	700	4260		M	TRAWL	CHINOOK	
026302		88	DEADMAN R	BC	CDFO	18,244	18,244	0490	911021	57	3	N	152	25	W	561	2380		F	TRAWL	CHINOOK	
026310		88	BABINE R	BC	CDFO	24,191	24,191	0590	920312	56	35	N	152	18	W	630	3200		M	TRAWL	CHINOOK	
026312		88	BABINE R	BC	CDFO	24,088	24,088	0590	911023	56	59	N	152	48	W	577	2800		M	TRAWL	CHINOOK	
026312		88	BABINE R	BC	CDFO	24,088	24,088	0590	911023	57	5	N	152	23	W	572	2650		M	TRAWL	CHINOOK	
026313		88	BULKLEY R	BC	CDFO	26,397	34,063	0590	911024	57	5	N	152	23	W	510	1700		M	TRAWL	CHINOOK	
026313		88	BULKLEY R	BC	CDFO	26,397	34,063	0590	920312	56	35	N	152	18	W	630	3300		F	TRAWL	CHINOOK	
031763		81	L PORT WALTER 109-10	AK	NMFS	13,697	13,754	0583	841009	56	54	N	152	43	W	560	3000	1	M	TRAWL	CHINOOK	
031803		81	L PORT WALTER 109-10	AK	NMFS	13,184	13,250	0583	841126	56	41	N	152	27	W	580	3010	20	F	TRAWL	CHINOOK	
032113		86	L PORT WALTER 109-10	AK	NMFS	23,407	23,407	0588	910418	57	49	N	137	14	W	9500			F	TRAWL	CHINOOK	
040703		89	BEAR COVE 113 - 41	AK	NSRA	8,977	120,510	0591	930608	57	59	N	151	55	W	600	3100		F	TRAWL	CHINOOK	
042032		80	HALIBUT COVE LAGOON	AK	ADFG	26,000	50,972	0381	850706	53	13	N	166	26	W	800	6900	250	M	TRAWL	CHINOOK	
042040		79	KETCHIKAN CR 101-47	AK	ADFG	15,733	15,893	0581	840128	56	58	N	155	23	W	820	6500		F	TRAWL	CHINOOK	
042042		79	CRYSTAL CR 106-44	AK	ADFG	18,530	19,989	0581	840317	56	46	N	155	36	W	720	5900	1	F	TRAWL	CHINOOK	
042121		80	KETCHIKAN CR 101-47	AK	ADFG	91,625	100,576	0582	840205	57	11	N	155	20	W	472			M	TRAWL	CHINOOK	
042121		80	KETCHIKAN CR 101-47	AK	ADFG	91,625	100,576	0582	840223	57	33	N	155	18	W	560			1	F	TRAWL	CHINOOK
042121		80	KETCHIKAN CR 101-47	AK	ADFG	91,625	100,576	0582	840224	57	21	N	155	36	W	630	2700	1	M	TRAWL	CHINOOK	
042121		80	KETCHIKAN CR 101-47	AK	ADFG	91,625	100,576	0582														

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Tag Code	Replicate	Brood	Release Site	State	Agency	Total		Release Date(mmyy)	Recovery Date(yymmdd)	Latitude		Longitude		Length(mm)	Weight(g)	Gonad Weight(g)	Sex	Gear	Species		
						# Tagged	# Released			Deg.	Min.	Deg.	Min.								
042121		80	KETCHIKAN CR 101-47	AK	ADFG	91,625	100,576	0582	840312	56	58	N	155	54	W	541	2200		F	TRAWL	CHINOOK
042121		80	KETCHIKAN CR 101-47	AK	ADFG	91,625	100,576	0582	850223	58	11	N	154	5	W	840	8700	117	F	TRAWL	CHINOOK
042121		80	KETCHIKAN CR 101-47	AK	ADFG	91,625	100,576	0582	850308	58	3	N	154	11	W	850	8430	130	F	TRAWL	CHINOOK
042202		80	CRYSTAL CR 106-44	AK	ADFG	56,660	273,849	0582	840311	57	13	N	155	40	W	560	2290	10	F	TRAWL	CHINOOK
042202		80	CRYSTAL CR 106-44	AK	ADFG	56,660	273,849	0582	841016	56	53	N	152	25	W	820	8600	100	F	TRAWL	CHINOOK
042217		81	KASNYKU BAY 112-11	AK	ADFG	43,299	44,869	0583	841021	56	50	N	152	42	W	570	2250	1	F	TRAWL	CHINOOK
042229		81	CRYSTAL CR 106-44	AK	ADFG	58,156	137,868	0583	841016	57	12	N	151	17	W	520	2330	1	M	TRAWL	CHINOOK
042229		81	CRYSTAL CR 106-44	AK	ADFG	58,156	137,868	0583	841019	56	42	N	152	21	W	600	2300	1	M	TRAWL	CHINOOK
042229		81	CRYSTAL CR 106-44	AK	ADFG	58,156	137,868	0583	841126	56	41	N	152	27	W	500	1900		F	TRAWL	CHINOOK
042229		81	CRYSTAL CR 106-44	AK	ADFG	58,156	137,868	0583	850217	57	16	N	155	16	W	520	2000	20	F	TRAWL	CHINOOK
042230		81	THOMAS BASIN 101-47	AK	ADFG	17,992	18,664	0583	850217	57	16	N	154	53	W	660	4400	1	F	TRAWL	CHINOOK
042255		82	NEETS BAY 101-90	AK	SSRA	20,063	70,656	0684	851118	56	46	N	152	22	W	510	1750		M	TRAWL	CHINOOK
042430		82	NEETS BAY 101-90	AK	SSRA	10,335	36,049	0684	860216	58	5	N	153	45	W	610	2800		F	TRAWL	CHINOOK
042503		83	NEETS BAY 101-90	AK	SSRA	30,158	100,228	0585	871001	57	4	N	152	29	W	760		1	F	TRAWL	CHINOOK
042612		86	MONTANA CR 111-50	AK	ADFG	28,681	52,000	0588	900326	58	4	N	151	52	W	560	2100		M	TRAWL	CHINOOK
042737		87	CRYSTAL CR 106-44	AK	ADFG	26,395	257,044	0589	920120	57	32	N	154	44	W	680	3720		M	TRAWL	CHINOOK
042761		85	SITKA SOUND 113-41	AK	SJ	10,004	10,126	0587	901022	56	28	N	155	35	W	800	6800		F	TRAWL	CHINOOK
043107	R2	86	CARROLL INLET 101-45	AK	SSRA	52,353	497,010	0588	910327	58	0	N	148	55	W	790	5850	90	F	TRAWL	CHINOOK
043149	R1	87	NEETS BAY	AK	SSRA	21,460	262,400	0489	901022	58	19	N	150	59	W	590	3000		M	TRAWL	CHINOOK
043202		87	EARL WEST COV 107-40	AK	ADFG	48,105	394,200	0589	920711	56	45	N	155	59	W	805	8150		M	TRAWL	CHINOOK
043252	R2	88	NEETS BAY 101-90	AK	SSRA	51,994	445,000	0590	930706	57	8	N	152	23	W	610			F	TRAWL	CHINOOK
043255	R3	88	NEETS BAY 101-90	AK	SSRA	51,016	735,000	0590	920312	56	35	N	152	18	W	640	3200		M	TRAWL	CHINOOK
043356		88	GASTINEAU CH 111-40	AK	ADFG	20,358	68,981	0690	930319	58	21	N	148	32	W	680	3500		F	TRAWL	CHINOOK
043403		88	AUKE BAY 111-50	AK	ADFG	18,270	64,137	0691	930221	57	54	N	153	49	W				F	TRAWL	CHINOOK
043406		88	CRYSTAL CR 106-44	AK	ADFG	20,788	246,808	0590	930319	57	52	N	149	55	W	670	3710		F	TRAWL	CHINOOK
043428		88	BEAR COVE 113-41	AK	NSRA	10,493	94,323	0590	920129	58	10	N	153	24	W	530	1930		M	TRAWL	CHINOOK
043431		88	BEAR COVE 113-41	AK	NSRA	8,058	72,081	0590	920125	57	30	N	154		W	570			F	TRAWL	CHINOOK
043536		89	THORNE BAY 102-70	AK	ADFG	9,552	12,378	0591	930409	56	42	N	152	30	W	630	3400		F	TRAWL	CHINOOK
043540		89	BEAR COVE 113-41	AK	NSRA	10,557	17,670	0591	930221	57	55	N	153	49	W	580	2600		F	TRAWL	CHINOOK
043548		89	KASNYKU BAY 112-11	AK	NSRA	9,844	10,631	0691	930609	56	5	N	156	4	W	640	3100		M	TRAWL	CHINOOK
043619		89	JETTY CR 109 - 10	AK	AKI	21,472	62,176	0591	930607	58	2	N	154	21	W	640	3900		M	TRAWL	CHINOOK
043626		89	BEAR COVE 113-41	AK	NSRA	10,358	37,065	0591	930212	57	40	N	154	20	W	705	4200		F	TRAWL	CHINOOK
043628		89	BEAR COVE 113-41	AK	NSRA	6,407	69,539	0591	930209	57	47	N	154	7	W	680			F	TRAWL	CHINOOK
044005		80	HERRING COVE 101-45	AK	SSRA	132,463	145,564	0582	840220	57	51	N	154	8	W	590		1	F	TRAWL	CHINOOK
044005		80	HERRING COVE 101-45	AK	SSRA	132,463	145,564	0582	840221	57	46	N	154	12	W	679	4600	10	M	TRAWL	CHINOOK
044005		80	HERRING COVE 101-45	AK	SSRA	132,463	145,564	0582	840221	57	54	N	154	6	W	730	4700	10	M	TRAWL	CHINOOK
044005		80	HERRING COVE 101-45	AK	SSRA	132,463	145,564	0582	840307	57	44	N	154	56	W	610	2790	10	F	TRAWL	CHINOOK
044005		80	HERRING COVE 101-45	AK	SSRA	132,463	145,564	0582	841005	56	56	N	152	30	W	870	9800		M	TRAWL	CHINOOK
044005		80	HERRING COVE 101-45	AK	SSRA	132,463	145,564	0582	841022	56	46	N	152	22	W	750	6000		M	TRAWL	CHINOOK
044005		80	HERRING COVE 101-45	AK	SSRA	132,463	145,564	0582	850204	57	36	N	155	17	W	800	7510	1	F	TRAWL	CHINOOK
044005		80	HERRING COVE 101-45	AK	SSRA	132,463	145,564	0582	850208	57	25	N	155	33	W	760	6600	8	F	TRAWL	CHINOOK
044005		80	HERRING COVE 101-45	AK	SSRA	132,463	145,564	0582	850306	58	7	N	154	0	W	790	8100	1	F	TRAWL	CHINOOK
051117		82	COOK CR (QUIN)	WA	FWS	46,873	50,838	0683	841111	56	48	N	152	29	W	490	1450	1	M	TRAWL	CHINOOK
051118		82	COOK CR (QUIN)	WA	FWS	46,877	50,460	0983	841130	56	39	N	152	39	W	460	1400		F	TRAWL	CHINOOK
051120		81	CHALAAT CR - HOH	WA	HOH	27,806	34,456	0882	840825	55	31	N	158	48	W	630			M	TRAWL	CHINOOK
051120		81	CHALAAT CR - HOH	WA	HOH	27,806	34,456	0882	841023	56	58	N	152	31	W	680	4150	20	M	TRAWL	CHINOOK
051120		81	CHALAAT CR - HOH	WA	HOH	27,806	34,456	0882	841104	56	37	N	152	33	W	630		20	F	TRAWL	CHINOOK
051122		81	COOK CR (QUIN)	WA	FWS	27,545	28,485	0583	841105	56	45	N	152	24	W	620	3250	1	F	TRAWL	CHINOOK
051424		82	QUINALT R 21-0398	WA	QDNR	83,490	119,164	0783	841016	56	53	N	152	25	W	440	1150	20	F	TRAWL	CHINOOK
051424		82	QUINALT R 21-0398	WA	QDNR	83,490	119,164	0783	841207	56	47	N	152	24	W	470	1620	20	F	TRAWL	CHINOOK
051424		82	QUINALT R 21-0398	WA	QDNR	83,490	119,164	0783	841207	56	44	N	152	24	W	510	1680		M	TRAWL	CHINOOK
051424		82	QUINALT R 21-0398	WA	QDNR	83,490	119,164	0783	850202	57	34	N	155	9	W	500	1620	1	M	TRAWL	CHINOOK
051424		82	QUINALT R 21-0398	WA	QDNR	83,490	119,164	0783	851130	56	47	N	154	31	W	700	6000		F	TRAWL	CHINOOK
066218		81	SACRA R, DISCOV. PK	CA	CDFG	89,780	101,676	0582	841113	56	53	N	152	17	W	730	5300	1	M	TRAWL	CHINOOK
072054		80	MCKENZIE R - I	OR	ODFW	32,518	35,695	0382	840226	57	40	N	155	14	W	600	2500	1	M	TRAWL	CHINOOK
072419		80	WILLAMETTE R, M FK	OR	ODFW	30,717	31,732	0382	840221	57	56	N	154	2	W	660	3750	1	M	TRAWL	CHINOOK
072424		81	TANNER CR	OR	ODFW	105,029	105,876	0682	841126	56	41	N	152	27	W	740	5570		M	TRAWL	CHINOOK
072521		81	MCKENZIE R - I	OR	ODFW	32,253	35,997	1182	841023	56	41	N	152	24	W	660	3950	1	M	TRAWL	CHINOOK
072528		80	SANTIAM R, N	OR	ODFW	50,022	53,158	0382	841113	56	45	N	152	26	W	860	8470	38	F	TRAWL	CHINOOK
072532		80	CEDAR CR - NESTUCCA	OR	ODFW	11,012	11,237	1181	841023	56	41	N	152	24	W	820</					

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Appendix G. Page 5 of 7.

Tag Code	Replicate	Brood	Release Site	State	Agency	Total		Release Date(mm/yy)	Recovery Date(yy/mm/dd)	Latitude		Longitude		Length(mm)	Weight(g)	Gonad Weight(g)	Sex	Gear	Species		
						# Tagged	# Released			Deg.	Min.	Deg.	Min.								
072616		81	CEDAR CR - NESTUCCA	OR	ODFW	15,746	44,117	1082	851116	56	45	N	152	18	W	720	5700	20	F	TRAWL	CHINOOK
072631		82	TRASK R	OR	ODFW	27,565	46,369	0883	841023	56	58	N	152	31	W	490	1500	1	F	TRAWL	CHINOOK
072632		82	TRASK R	OR	ODFW	48,845	284,831	0783	841020	56	47	N	152	23	W	520	1550	1	M	TRAWL	CHINOOK
072632		82	TRASK R	OR	ODFW	48,845	284,831	0783	841028	56	58	N	152	31	W	490	1900	1	F	TRAWL	CHINOOK
072632		82	TRASK R	OR	ODFW	48,845	284,831	0783	841114	56	48	N	152	23	W	480	1700	1	F	TRAWL	CHINOOK
072632		82	TRASK R	OR	ODFW	48,845	284,831	0783	850424	53	12	N	166	52	W	550	2200	1	M	TRAWL	CHINOOK
072633		82	TRASK R	OR	ODFW	37,649	39,958	0883	850202	56	24	N	156	18	W	460	1390	1	F	TRAWL	CHINOOK
072634		82	TRASK R	OR	ODFW	29,165	36,115	0983	841020	56	50	N	152	28	W	460	1150	1	M	TRAWL	CHINOOK
072647		82	SALMON R - OR COAST	OR	ODFW	25,734	50,339	0883	851112	53	10	N	167	0	W	550	2300		M	TRAWL	CHINOOK
072718		81	MCKENZIE R - 1	OR	ODFW	36,165	36,165	0383	840223	57	33	N	155	18	W	540		1	F	TRAWL	CHINOOK
072718		81	MCKENZIE R - 1	OR	ODFW	36,165	36,165	0383	841023	56	58	N	152	31	W	700	4500	1	F	TRAWL	CHINOOK
072720		81	MCKENZIE R - 1	OR	ODFW	30,049	117,441	0383	841009	56	47	N	152	40	W	630	3910	1	F	TRAWL	CHINOOK
072720		81	MCKENZIE R - 1	OR	ODFW	30,049	117,441	0383	841023	56	58	N	152	31	W	730	4550	1	F	TRAWL	CHINOOK
072721		81	MCKENZIE R - 1	OR	ODFW	31,930	32,952	1182	841125	56	47	N	152	24	W	590	3220	20	F	TRAWL	CHINOOK
072724		81	MCKENZIE R - 1	OR	ODFW	29,070	31,091	0383	840222	57	54	N	154	34	W	520	1740	1	M	TRAWL	CHINOOK
072724		81	MCKENZIE R - 1	OR	ODFW	29,070	31,091	0383	841018	56	45	N	152	19	W	690	3800	1	F	TRAWL	CHINOOK
072826		82	COLUMBIA R - 5	OR	ODFW	100,244	1,015,046	0683	841127	56	55	N	152	32	W	490	1520		M	TRAWL	CHINOOK
072827		82	TANNER CR	OR	ODFW	100,259	102,560	0683	841020	56	50	N	152	28	W	510	1550	1	F	TRAWL	CHINOOK
072828		82	TANNER CR	OR	ODFW	99,001	104,337	0883	841020	56	54	N	152	27	W	480	1400	20	M	TRAWL	CHINOOK
072922		85	ELK R	OR	ODFW	24,650	26,842	0986	900410	57	59	N	149	16	W	825	8600	50	F	TRAWL	CHINOOK
073019		83	TRASK R	OR	ODFW	25,055	100,368	1084	861113	55	50	N	152	44	W	640			M	TRAWL	CHINOOK
073055		84	TRASK R	OR	ODFW	23,717	90,525	1085	910000			N								TRAWL	CHINOOK
073220		84	TRASK R	OR	ODFW	9,357	9,777	0885	861107	57	47	N	151	54	W	510	1500		F	TRAWL	CHINOOK
073342		86	SALMON R - OR COAST	OR	ODFW	31,811	32,673	0887	900426	55	22	N	155	59	W	750	5600	60	F	TRAWL	CHINOOK
073542		85	FERRY CR	OR	ODFW	26,741	26,850	0986	900715	58	24	N	148	30	W	810	7600	400	M	TRAWL	CHINOOK
073635		85	TANNER CR	OR	ODFW	46,852	47,997	1086	900315	57	17	N	154	52	W	760	7700		M	TRAWL	CHINOOK
073725		86	TRASK R	OR	ODFW	12,912	12,912	1087	900426	55	22	N	155	59	W	680	3950	25	F	TRAWL	CHINOOK
073938		85	ELK R	OR	ODFW	13,475	17,936	0986	900428	55	22	N	156	5	W	700	4350	1	F	TRAWL	CHINOOK
074328		86	UMATILLA R	OR	ODFW	26,319	34,187	0488	900406	57	58	N	149	50	W	590			M	TRAWL	CHINOOK
074635		87	SALMON R - OR COAST	OR	ODFW	37,394	38,808	0888	910000			N								TRAWL	CHINOOK
074820		90	MORGAN CR (COOS R)	OR	ODFW	26,732	75,638	0991	930416	56	0	N	154	36	W	530	2100		M	TRAWL	CHINOOK
075001	R1	86	SANTIAM R, S FK	OR	ODFW	25,600	31,181	0388	900219	57	49	N	154	5	W	580	2800	1	F	TRAWL	CHINOOK
075031	R3	87	WILLAMETTE R, M FK-1	OR	ODFW	32,420	32,586	1088	900304	58	4	N	150	42	W	580	2600		M	TRAWL	CHINOOK
075031	R3	87	WILLAMETTE R, M FK-1	OR	ODFW	32,420	32,586	1088	901023	56	22	N	155	44	W	690	5100		M	TRAWL	CHINOOK
075041	R2	87	SANTIAM R, S FK	OR	ODFW	24,640	25,481	1188	901022	56	28	N	155	35	W	670	4800		M	TRAWL	CHINOOK
075047	R1	87	SANTIAM R, N FK-1	OR	ODFW	30,076	30,258	0389	920215	57	11	N	152	31	W	850	8000		M	TRAWL	CHINOOK
075135		88	SALMON R - OR COAST	OR	ODFW	28,200	33,335	0889	930319	58	21	N	148	32	W	780	6000		F	TRAWL	CHINOOK
075207	R2	88	WILLAMETTE R, M FK	OR	ODFW	30,570	408,536	1189	910502	56	6	N	153	59	W	540	2500		M	TRAWL	CHINOOK
075211		88	SANTIAM R, S FK	OR	ODFW	16,355	147,002	0390	921000	56	14	N	155	56	W	620	2920		F	TRAWL	CHINOOK
075346		90	CLACKAMAS R	OR	ODFW	50,949	315,000	0991	921012	57	59	N	151	30	W	490	1400		M	TRAWL	CHINOOK
075348		89	WILLAMETTE R, M FK	OR	ODFW	15,045	185,426	1190	920312	56	35	N	152	18	W	530	1700		F	TRAWL	CHINOOK
075433		89	WILLAMETTE R, M FK	OR	ODFW	26,424	27,270	0890	930606	57	55	N	151	54	W	740	4700		F	TRAWL	CHINOOK
075458		89	SALMON R - OR COAST	OR	ODFW	39,099	41,531	0890	930319	58	21	N	148	32	W	720	4400		F	TRAWL	CHINOOK
075501	R1	89	SANTIAM R, S FK	OR	ODFW	127,939	402,459	1190	930212	57	49	N	154	3	W	690	4100	1	F	TRAWL	CHINOOK
075501	R1	89	SANTIAM R, S FK	OR	ODFW	127,939	402,459	1190	930324	54	30	N	162	28	W	700	3600		M	TRAWL	CHINOOK
075503		89	WILLAMETTE R & TRIBS	OR	ODFW	31,462	38,948	0391	930221	57	55	N	153	49	W	540	1900		M	TRAWL	CHINOOK
075527		89	SANTIAM R, N FK-1	OR	ODFW	15,876	261,382	0391	930220	57	45	N	154	11	W	640	3200		M	TRAWL	CHINOOK
075626		90	SANTIAM R, S FK	OR	ODFW	158,403	478,559	1191	930219	58	11	N	153	18	W	730	5600		M	TRAWL	CHINOOK
075626		90	SANTIAM R, S FK	OR	ODFW	158,403	478,559	1191	930220	57	38	N	154	27	W	530	1900		F	TRAWL	CHINOOK
075626		90	SANTIAM R, S FK	OR	ODFW	158,403	478,559	1191	930221	57	55	N	153	49	W	550	2200		M	TRAWL	CHINOOK
075626		90	SANTIAM R, S FK	OR	ODFW	158,403	478,559	1191	930221	57	55	N	153	49	W	500	1600		F	TRAWL	CHINOOK
075626		90	SANTIAM R, S FK	OR	ODFW	158,403	478,559	1191	930224			N			W	500	1600		M	TRAWL	CHINOOK
075626		90	SANTIAM R, S FK	OR	ODFW	158,403	478,559	1191	930409	56	42	N	152	30	W	600	2500		M	TRAWL	CHINOOK
075626		90	SANTIAM R, S FK	OR	ODFW	158,403	478,559	1191	930409	56	42	N	152	30	W	500	1350		F	TRAWL	CHINOOK
075626		90	SANTIAM R, S FK	OR	ODFW	41,394	44,019	0891	930222	57	50	N	154	0	W	500	1800		F	TRAWL	CHINOOK
075706		90	SALMON R - OR COAST	OR	ODFW	37,516	39,896	0891	930405	57	44	N	150	7	W	570	2400			TRAWL	CHINOOK
075707		90	SALMON R - OR COAST	OR	ODFW	39,382	41,880	0891	930221	57	55	N	153	49	W	510	1650		F	TRAWL	CHINOOK
075708		90	SALMON R - OR COAST	OR	ODFW	22,474	97,941	0991	930315	56	19	N	156	7	W	443	1240		F	RESGILL	CHINOOK
075745		82	ROBERTSON CR	BC	CDFR	20,195	58,029	0683	841022	56	46	N	152	22	W	530	2200		M	TRAWL	CHINOOK
082226		90	NITINAT LAKE	BC	CDFO	5,509	10,982	0691	930406	57	53	N	150	7	W	630	3150		M	TRAWL	CHINOOK
082847		90	NITINAT LAKE	BC	CDFO	5,455	10,955	0691	930219	58	13	N	153	16	W	520	1750			TRAWL	CHINOOK
082849		90	NITINAT LAKE	BC	CDFO	5,558	10,943	0691	930219	57	44	N	154	12	W	490	1650		F	TRAWL	CHIN

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Appendix G. Page 6 of 7.

Tag Code	Replicate	Brood	Release Site	State	Agency	Total		Release Date(mm/yy)	Recovery Date(yymmdd)	Latitude		Longitude		Length(mm)	Weight(g)	Gonad		Sex	Gear	Species	
						# Tagged	# Released			Deg.	Min.	Deg.	Min.			Weight(g)	Sex				
180201		90	GOLD R	BC	CDFO	29,209	29,654	0591	930221	58	14	N	153	14	W	500	2000	M	TRAWL	CHINOOK	
180201		90	GOLD R	BC	CDFO	29,209	29,654	0591	930221	58	8	N	153	22	W	550	2000	F	TRAWL	CHINOOK	
180202		90	GOLD R NWVI	BC	CDFO	26,674	27,358	0691	921014	57	28	N	151	22	W	510	2000	M	TRAWL	CHINOOK	
180202		90	GOLD R NWVI	BC	CDFO	26,674	27,358	0691	930207	54	42	N	154	15	W	500	1700	M	TRAWL	CHINOOK	
180202		90	GOLD R NWVI	BC	CDFO	26,674	27,358	0691	930212	57	49	N	154	3	W	520	1800	M	TRAWL	CHINOOK	
180202		90	GOLD R NWVI	BC	CDFO	26,674	27,358	0691	930220	57	30	N	153	40	W	500	1700	F	TRAWL	CHINOOK	
180202		90	GOLD R NWVI	BC	CDFO	26,674	27,358	0691	930220	58	1	N	152	30	W	510	1700	M	TRAWL	CHINOOK	
180203		90	GOLD R	BC	CDFO	27,070	44,595	0691	930218	58	13	N	153	15	W	470	1300	M	TRAWL	CHINOOK	
180224		90	CHINA CR	BC	CDFO	26,202	26,202	0591	930221	57	55	N	153	49	W	530	2000	M	TRAWL	CHINOOK	
180224		90	CHINA CR	BC	CDFO	26,202	26,202	0591	930606	58	2	N	154	21	W	510	1700	F	TRAWL	CHINOOK	
180226		90	ROBERTSON CR	BC	CDFO	26,708	26,842	0591	930211	57	47	N	154	8	W	520	1600	M	TRAWL	CHINOOK	
180227		90	ROBERTSON CR	BC	CDFO	26,415	26,415	0591	930216	57	59	N	153	36	W	460	1600	F	TRAWL	CHINOOK	
180247		90	KENNEDY LAKE	BC	CDFO	26,008	127,865	0691	930414	56	10	N	153	59	W	500	1500	F	TRAWL	CHINOOK	
180327		90	NITINAT R	BC	CDFO	55,109	1,520,236	0691	930209	57	50	N	154	0	W	480	1750	2	F	TRAWL	CHINOOK
180327		90	NITINAT R	BC	CDFO	55,109	1,520,236	0691	930224	58	13	N	153	22	W	540	1750	M	TRAWL	CHINOOK	
180328		90	NITINAT R	BC	CDFO	54,724	2,137,027	0591	930405	57	52	N	150	9	W	520	1800	M	TRAWL	CHINOOK	
180335		91	CHEHALIS R	BC	CDFO	53,575	1,047,697	0492	930624	57	58	N	151	48	W	439	990	M	TRAWL	CHINOOK	
180349		91	BONAPARTE R	BC	CDFO	74,949	152,851	0492	930704	57	56	N	151	41	W	440	1100	F	TRAWL	CHINOOK	
180433		91	KILDALA R	BC	CDFO	28,814	127,371	0492	930718	56	24	N	153	45	W	430	1140	M	TRAWL	CHINOOK	
211834		89	COOK CR (QUIN)	WA	FWS	187,402	579,332	0790	920606	56	58	N	152	31	W	490	1500	F	TRAWL	CHINOOK	
211835		89	SALMON R 21-0139	WA	QDNRR	120,787	242,386	0990	920120	57	41	N	154	30	W	470	1500	M	TRAWL	CHINOOK	
211846		89	QUINULT R 21-0398	WA	QDNRR	93,091	590,392	0690	920312	56	35	N	152	18	W	560	2000	M	TRAWL	CHINOOK	
211904		85	COOK CR (QUIN)	WA	QDNRR	201,209	297,434	0786	900410	57	59	N	149	16	W	750	5800	M	TRAWL	CHINOOK	
211904	R2	85	COOK CR (QUIN)	WA	QDNRR	201,209	297,434	0786	900410	57	59	N	149	16	W	730	4800	25	F	TRAWL	CHINOOK
212010	R4	90	SALMON R 21-0139	WA	COOP	164,504	175,448	0891	930319	57	52	N	149	55	W	480	1420	M	TRAWL	CHINOOK	
212010		90	SALMON R 21-0139	WA	COOP	164,504	175,448	0891	930410	57	40	N	150	13	W	470	1400	F	TRAWL	CHINOOK	
212028		90	QUINULT R 21-0398	WA	QDNRR	27,929	102,514	0991	930216	58	3	N	153	36	W	540	1900	M	TRAWL	CHINOOK	
212028		90	QUINULT R 21-0398	WA	QDNRR	27,929	102,514	0991	930221	57	54	N	153	49	W	480	1550	M	TRAWL	CHINOOK	
212549	R1	88	QUINULT R 21-0398	WA	QDNRR	147,936	770,200	0689	910111	57	10	N	152	24	W	450	1400	M	TRAWL	CHINOOK	
231623		82	COL. R, MCNARY	OR	NMFS	15,057	15,057	0683	841020	56	50	N	152	28	W	510	1450	1	M	TRAWL	CHINOOK
231623		82	COL. R, MCNARY	OR	NMFS	15,057	15,057	0683	841125	56	47	N	152	24	W	470	1430	20	F	TRAWL	CHINOOK
231625		82	COL. R, BONNEVILLE	OR	NMFS	15,096	15,096	0783	850205	57	37	N	155	11	W	470	1300	F	TRAWL	CHINOOK	
231626		82	COL. R, BEACON ROCK	WA	NMFS	15,040	15,040	0783	841210	56	57	N	152	35	W	560	2620	M	TRAWL	CHINOOK	
231960		86	COL. R BELOW BNVILLE	WA	NMFS	9,146	9,146	0687	900315	57	8	N	154	52	W	680		M	TRAWL	CHINOOK	
232139		86	BONNEVILLE BYPASS	OR	NMFS	17,803	19,892	0787	900122	57	1	N	152	23	W	770	6500	F	TRAWL	CHINOOK	
311609		84	CROOKED CR 244-30	AK	ADFG	10,193	54,087	0685	861124	56	52	N	152	41	W	510	1300	M	TRAWL	CHINOOK	
311613		82	CROOKED CR 244-30	AK	ADFG	14,000	211,000	0583	841113	54	18	N	160	41	W	590		M	TRAWL	CHINOOK	
311727		85	DECEPTION CR 247-41	AK	ADFG	18,400	130,178	0586	880910	54	47	N	165	24	W	660		F	TRAWL	CHINOOK	
311759		87	MONTANA CR 247-41	AK	ADFG	21,588	132,503	0788	901023	56	22	N	155	44	W	510	2000	F	TRAWL	CHINOOK	
311760		88	DECEPTION CR	AK	ADFG	19,851	240,885	0589	901022	56	28	N	155	35	W	440	1100	F	TRAWL	CHINOOK	
311820		88	CROOKED CR 244-30	AK	ADFG	25,371	120,705	0689	901023	56	22	N	155	44	W	350		F	TRAWL	CHINOOK	
311854		89	CROOKED CR 244-30	AK	ADFG	26,475	234,019	0690	911024	57	7	N	152	43	W	430	1100	M	TRAWL	CHINOOK	
471609		88	TAMGAS CR	AK	MIC	109,656	1,063,778	0590	920929	56	49	N	152	21	W	660	3500	20	M	TRAWL	CHINOOK
471609		88	TAMGAS CR	AK	MIC	109,656	1,063,778	0590	930319	57	52	N	149	55	W	690	3850	F	TRAWL	CHINOOK	
600544		81	SOUTH BEACH	OR	OAF	14,762	18,799	0982	850202	56	24	N	156	18	W	630	3980	1	M	TRAWL	CHINOOK
622308		81	COOS BAY	OR	ANAD	9,732	9,732	0982	851118	56	46	N	152	22	W	800	8400	20	M	TRAWL	CHINOOK
624832		80	SIUSLAW BAY	OR	DOMS	14,961	33,662	1281	841020	56	47	N	152	23	W	740	4850	20	F	TRAWL	CHINOOK
630732	R1	89	COLUMBIA R AT PRIEST	WA	WDF	194,530	6,230,590	0690	930405	57	48	N	150	3	W	700	5000	F	TRAWL	CHINOOK	
630756	R4	89	STEVENS CR 22-0064	WA	WDF	203,892	760,086	0790	930413	56	9	N	153	59	W	660	3450	F	TRAWL	CHINOOK	
630759	R3	89	SIMILKAMEEN R-490325	WA	WDF	116,821	203,795	0591	930209	57	47	N	154	7	W	580	2300	F	TRAWL	CHINOOK	
631119	R2	89	WENATCHEE R 45-0030	WA	WDF	144,905	720,000	0591	930217	57	43	N	154	10	W	570	2500	F	TRAWL	CHINOOK	
632252		81	COLUMBIA R	WA	WDF	262,176	4,623,241	0682	841122	56	50	N	152	21	W	710	5200	20	F	TRAWL	CHINOOK
632252		81	COLUMBIA R	WA	WDF	262,176	4,623,241	0682	841127	56	55	N	152	32	W	730	4800	30	F	TRAWL	CHINOOK
632257		82	STEVENS CR	WA	WDF	112,592	115,598	0683	841016	56	44	N	152	18	W	460	1150	1	M	TRAWL	CHINOOK
632257		82	STEVENS CR	WA	WDF	112,592	115,598	0683	841016	56	44	N	152	18	W	480	1300	1	F	TRAWL	CHINOOK
632257		82	STEVENS CR	WA	WDF	112,592	115,598	0683	841016	56	53	N	152	25	W	440	1050	1	F	TRAWL	CHINOOK
632257		82	STEVENS CR	WA	WDF	112,592	115,598	0683	841119	57	1	N	152	36	W	430	1200	40	F	TRAWL	CHINOOK
632257		82	STEVENS CR	WA	WDF	112,592	115,598	0683	851025	56	45	N	152	18	W	630	3750	1	F	TRAWL	CHINOOK
632257		82	STEVENS CR	WA	WDF	112,592	115,598	0683	851118	56	46	N	152	22	W	650	4200	F	TRAWL	CHINOOK	
632456		81	COLUMBIA R	WA	WDF	48,700	886,000	0582	850707	56	31	N	155	39	W	610	3400	1	M	TRAWL	CHINOOK
632501		82	FORK CR	WA	WDF	150,360	2,063,291	0583	841013	57	0	N	152	33	W	520	1900	1	M	TRAWL	CHINOOK
632501		82	FORK CR	WA	WDF	150,360	2,063,291	0583	841020	56	50	N	152	20	W	470	1350	1	F	TRAWL	CHINOOK

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Tag Code	Replicate	Brood	Release Site	State	Agency	Total		Release Date(mm/yy)	Recovery Date(yy/mm/dd)	Latitude		Longitude		Length(mm)	Weight(g)	Gonad Weight(g)	Sex	Gear	Species			
						# Tagged	# Released			Deg.	Min.	Deg.	Min.									
632506		81	COWLITZ R	WA	WDF	77,454	78,000	0483	841020	56	47	N	152	23	W	620	3000	1	F	TRAWL	CHINOOK	
632611		82	COLUMBIA R	WA	WDF	204,141	2,040,300	0583	841020	56	47	N	152	23	W	520	1750	1	M	TRAWL	CHINOOK	
632611		82	COLUMBIA R	WA	WDF	204,141	2,040,300	0583	850307	57	52	N	154	2	W	620	2800		M	TRAWL	CHINOOK	
632612		82	COLUMBIA R	WA	WDF	202,388	203,100	0683	841128	56	50	N	152	25	W	480	1650		F	TRAWL	CHINOOK	
632612		82	COLUMBIA R	WA	WDF	202,388	203,100	0683	850202	56	24	N	156	18	W	460	1350	1	F	TRAWL	CHINOOK	
632612		82	COLUMBIA R	WA	WDF	202,388	203,100	0683	850202	56	24	N	156	18	W	470	1370	1	F	TRAWL	CHINOOK	
632612		82	COLUMBIA R	WA	WDF	202,388	203,100	0683	850203	56	36	N	156	14	W	500	1720	1	F	TRAWL	CHINOOK	
632612		82	COLUMBIA R	WA	WDF	202,388	203,100	0683	850204	57	33	N	155	21	W	530	1900	1	F	TRAWL	CHINOOK	
632612		82	COLUMBIA R	WA	WDF	202,388	203,100	0683	850212	57	32	N	154	49	W	470			F	TRAWL	CHINOOK	
632842		85	STEVENS CR	WA	WDF	215,738	229,451	0786	900410	57	59	N	149	16	W	920	11200		M	TRAWL	CHINOOK	
632842		85	STEVENS CR	WA	WDF	215,738	229,451	0786	900425	55	22	N	155	59	W	790	6400		F	TRAWL	CHINOOK	
632842		85	STEVENS CR	WA	WDF	215,738	229,451	0786	900425	55	21	N	155	57	W	760	6100	1	F	TRAWL	CHINOOK	
632842		85	STEVENS CR	WA	WDF	215,738	229,451	0786	910327	58	0	N	148	55	W	920	11400	150	F	TRAWL	CHINOOK	
632857		83	COLUMBIA R	WA	WDF	197,528	253,800	0585	861116	57	4	N	152	21	W	650	3310		F	TRAWL	CHINOOK	
633229		84	STEVENS CR	WA	WDF	59,334	60,104	0685	861128	57	0	N	152	32	W	510	1500		F	TRAWL	CHINOOK	
633230		84	STEVENS CR	WA	WDF	58,133	58,887	0685	900410	57	59	N	149	16	W	1010	16200		M	TRAWL	CHINOOK	
633241		84	FORK CR	WA	WDF	50,166	542,072	0785	861116	57	4	N	152	21	W	440	1150		F	TRAWL	CHINOOK	
633433		84	WASHOUGAL R 28-0159	WA	WDF	26,173	33,471	0885	871121	58	40	N	140	35	W	680	4700	1	F	TRAWL	CHINOOK	
633933		90	WISHKAH R 22-0191	WA	COOP	48,635	50,000	0392	930405	57	52	N	150	9	W	510	1600		M	TRAWL	CHINOOK	
633933		90	WISHKAH R 22-0191	WA	COOP	48,635	50,000	0392	930407	58	42	N	150	20	W	590	2000		M	TRAWL	CHINOOK	
634057		90	COLUMBIA R AT PRIEST	WA	WDF	199,469	5,041,492	0691	930218	58	13	N	153	15	W	510	1550		F	TRAWL	CHINOOK	
634115		90	HANFORD REACH	WA	WDF	198,056	200,665	0691	930216	58	10	N	153	24	W	540	2200		M	TRAWL	CHINOOK	
634117		90	STEVENS CR 22-0064	WA	WDF	207,589	212,259	0791	921012	57	57	N	151	34	W	470	1600		M	TRAWL	CHINOOK	
634117		90	STEVENS CR 22-0064	WA	WDF	207,589	212,259	0791	930220	57	45	N	154	11	W	480	1400		F	TRAWL	CHINOOK	
634117		90	STEVENS CR 22-0064	WA	WDF	207,589	212,259	0791	930324	56	44	N	152	25	W	560	2500		M	TRAWL	CHINOOK	
634117		90	STEVENS CR 22-0064	WA	WDF	207,589	212,259	0791	930414	56	10	N	153	59	W	500	1450		M	TRAWL	CHINOOK	
634125		86	FORK CR	WA	WDF	211,092	1,864,500	0587	901021	56	27	N	155	35	W	700	4600		F	TRAWL	CHINOOK	
634203		90	SATSOP R 22-0360	WA	WDF	93,728	102,300	0791	930210	57	57	N	153	45	W	480	1800		M	TRAWL	CHINOOK	
634203		90	SATSOP R 22-0360	WA	WDF	93,728	102,300	0791	930220	58	1	N	152	30	W	480	1500			TRAWL	CHINOOK	
634414		86	STEVENS CR	WA	WDF	201,468	283,320	0787	910000			N								TRAWL	CHINOOK	
634414		86	STEVENS CR	WA	WDF	201,468	283,320	0787	910314	55	22	N	155	55	W					TRAWL	CHINOOK	
635247		88	LEWIS R	WA	WDF	113,890	190,800	0490	920405	57	4	N	152	22	W	570	2600		M	TRAWL	CHINOOK	
635259		88	STEVENS CR 22-0064	WA	WDF	206,735	492,150	0789	920312	56	35	N	152	18	W	590	2900		F	TRAWL	CHINOOK	
635259		R1	STEVENS CR 22-0064	WA	WDF	206,735	492,150	0789	910000			N								TRAWL	CHINOOK	
635259		R2	STEVENS CR 22-0064	WA	WDF	206,735	492,150	0789	930320	58	53	N	148	47	W	750	5600		F	TRAWL	CHINOOK	
635259		R2	STEVENS CR 22-0064	WA	WDF	206,735	492,150	0789	920312	56	35	N	152	18	W	660	4200		F	TRAWL	CHINOOK	
635259		R3	STEVENS CR 22-0064	WA	WDF	206,735	492,150	0789	920502	57	40	N	150	9	W	705	4800	50	F	TRAWL	CHINOOK	
635259		R4	STEVENS CR 22-0064	WA	WDF	206,735	492,150	0789	921005	57	2	N	152	31	W	540	1500		F	TRAWL	CHINOOK	
635556		R1	KLICKITAT R	WA	WDF	19,483	19,800	0591	930407	58	42	N	150	20	W	600	2300		M	TRAWL	CHINOOK	
635904		R1	WASHOUGAL R 28-0159	WA	WDF	93,542	5,644,000	0690	841023	56	58	N	152	31	W	510	1550		1	M	TRAWL	CHINOOK
B40904		81	CROOKED CR 244-30	AK	ADFG	10,000	52,800	0683	841010	56	58	N	152	41	W	650	3600	20	M	TRAWL	CHINOOK	
B40907		81	NEETS BAY 101-90	AK	SSRA	94,723	96,656	0583	841019	56	42	N	152	21	W	580	2600		1	M	TRAWL	CHINOOK
B40907		81	NEETS BAY 101-90	AK	SSRA	94,723	96,656	0583	841114	56	49	N	152	29	W	630	4400		1	F	TRAWL	CHINOOK
B40907		81	NEETS BAY 101-90	AK	SSRA	94,723	96,656	0583	841201	56	59	N	152	33	W	580	3100		1	F	TRAWL	CHINOOK
B40907		81	NEETS BAY 101-90	AK	SSRA	94,723	96,656	0583	850218	57	16	N	155	13	W	580	3000	30	F	TRAWL	CHINOOK	
B40907		81	NEETS BAY 101-90	AK	SSRA	94,723	96,656	0583	850220	57	46	N	154	39	W	650	3400	10	M	TRAWL	CHINOOK	
B40907		81	NEETS BAY 101-90	AK	SSRA	37,737	38,507	0583	841013	56	59	N	152	42	W	610	3150		1	M	TRAWL	CHINOOK
B40908		81	NEETS BAY 101-90	AK	SSRA	37,737	38,507	0583	841015	56	47	N	152	23	W	510	1950		1	F	TRAWL	CHINOOK
B40908		81	NEETS BAY 101-90	AK	SSRA	37,737	38,507	0583	841021	56	42	N	152	24	W	640	3000		1	F	TRAWL	CHINOOK
B40908		81	NEETS BAY 101-90	AK	SSRA	37,737	38,507	0583	850216	58	11	N	154	3	W	550	2300		F	TRAWL	CHINOOK	
B40908		81	NEETS BAY 101-90	AK	SSRA	37,737	38,507	0583	850221	57	54	N	154	41	W	520	1600		F	TRAWL	CHINOOK	
B40908		81	NEETS BAY 101-90	AK	SSRA	37,737	38,507	0583	851110	54	24	N	159	55	W	800		80	F	TRAWL	CHINOOK	